

FIG. 1

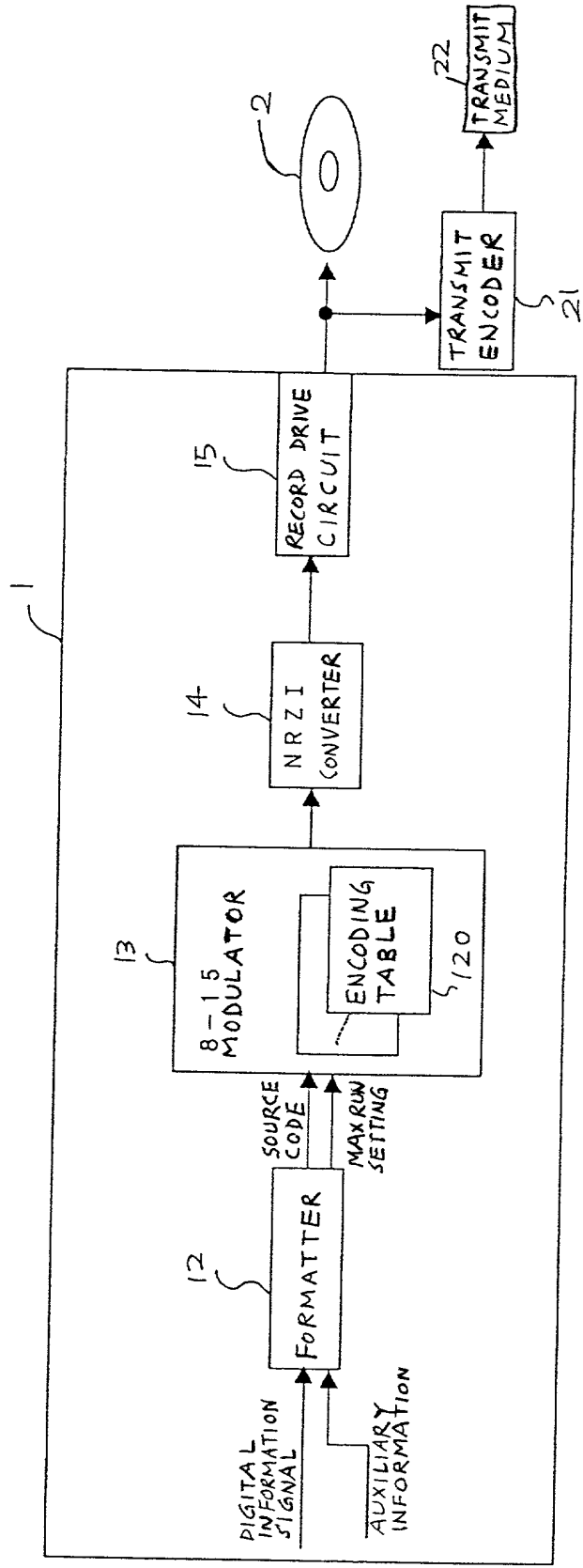
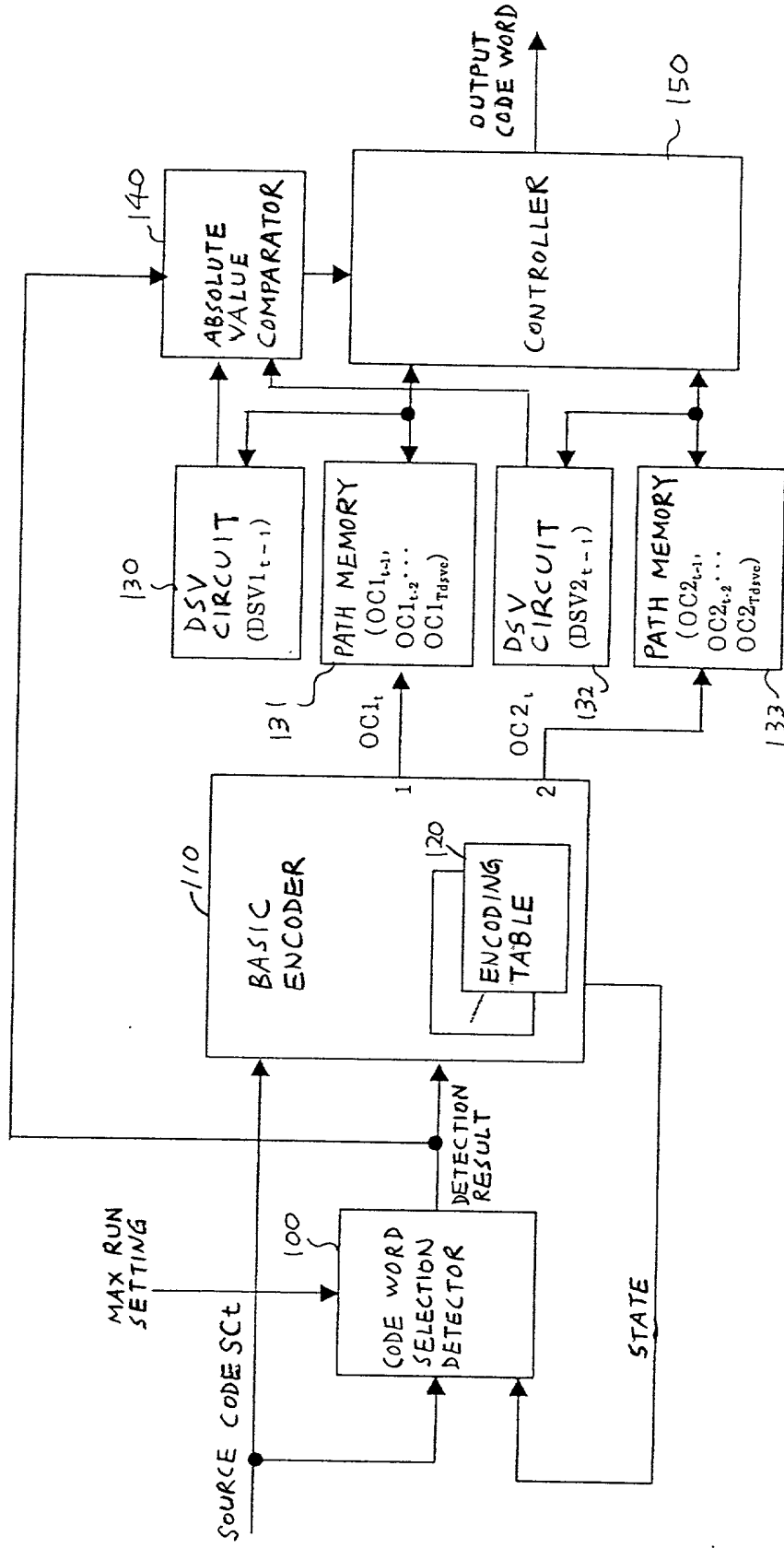


FIG. 2

| | | | | | | |
|---------------------|----|----|----|----|----|-------|
| RECORDING SECTOR | 0 | 1 | 2 | 3 | 4 | |
| MAX RUN SETTING | 1 | 0 | 0 | 1 | 1 | |
| Tmax | 12 | 11 | 11 | 12 | 12 | |

FIG. 3

13



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4
5
6
7

[illegible]
$$\frac{4}{25}$$

$$\frac{5}{25}$$

| INPUT | S=0 | | | S=1 | | | S=2 | | | S=3 | | | S=4 | | | S=5 | | |
|-------|------|-----------------|-------|------|-------------------|-------|------|-----------------|-------|------|-----------------|-------|-------|-----------------|-------|-------|-----------------|-------|
| | CODE | WORD | Spert | CODE | WORD | Spert | CODE | WORD | Spert | CODE | WORD | Spert | CODE | WORD | Spert | CODE | WORD | Spert |
| 50 | 578 | 000001001000010 | 3 | 1097 | 000010010000100 | 4 | 578 | 000001001000010 | 3 | 5338 | 010000010010010 | 3 | 18450 | 100000001000010 | 1 | 17469 | 100010000000001 | 0 |
| 51 | 544 | 000001001001000 | 1 | 1097 | 000010010000100 | 5 | 584 | 000001001001000 | 1 | 8700 | 010000000000000 | 1 | 18450 | 100000001000010 | 2 | 17469 | 100010000000001 | 1 |
| 52 | 544 | 000001001001000 | 3 | 1098 | 000010010000100 | 1 | 584 | 000001001001000 | 3 | 8700 | 010000000000000 | 3 | 18450 | 100000001000010 | 3 | 17470 | 100010000000001 | 2 |
| 53 | 544 | 000001001001000 | 4 | 1098 | 000010010000100 | 3 | 584 | 000001001001000 | 4 | 8700 | 010000000000000 | 4 | 18457 | 100000001001001 | 4 | 17470 | 100010000000001 | 3 |
| 54 | 544 | 000001001001000 | 5 | 1098 | 000010010000100 | 4 | 584 | 000001001001000 | 5 | 8700 | 010000000000000 | 5 | 18457 | 100000001001001 | 5 | 17470 | 100010000000001 | 4 |
| 55 | 585 | 000001001001001 | 0 | 1098 | 000010010000100 | 0 | 585 | 000001001001001 | 0 | 8701 | 010000000000001 | 0 | 18457 | 100000001001001 | 6 | 17471 | 100010000000001 | 5 |
| 56 | 585 | 000001001001001 | 1 | 1097 | 000010010000100 | 1 | 585 | 000001001001001 | 1 | 8701 | 010000000000001 | 1 | 18457 | 100000001001001 | 7 | 17471 | 100010000000001 | 6 |
| 57 | 54 | 000000000100010 | 1 | 1097 | 000010010000100 | 1 | 34 | 000000000100010 | 1 | 8722 | 010000010000000 | 1 | 18457 | 100000001001001 | 8 | 17471 | 100010000000001 | 7 |
| 58 | 34 | 000000000100010 | 2 | 1157 | 000010010000000 | 3 | 34 | 000000000100010 | 2 | 8722 | 010000010000000 | 2 | 18457 | 100000001001001 | 9 | 17471 | 100010000000001 | 8 |
| 59 | 34 | 000000000100010 | 3 | 1157 | 000010010000000 | 5 | 34 | 000000000100010 | 3 | 8722 | 010000010000000 | 3 | 18457 | 100000001001001 | 10 | 17471 | 100010000000001 | 9 |
| 60 | 128 | 000000010000000 | 3 | 1157 | 000010010000000 | 4 | 128 | 000000010000000 | 4 | 8728 | 010000010000000 | 4 | 18457 | 100000001001001 | 11 | 17471 | 100010000000001 | 10 |
| 61 | 128 | 000000010000000 | 5 | 1157 | 000010010000000 | 0 | 128 | 000000010000000 | 5 | 8728 | 010000010000000 | 5 | 18457 | 100000001001001 | 12 | 17471 | 100010000000001 | 11 |
| 62 | 78 | 000000010000000 | 4 | 1154 | 000010010000000 | 1 | 78 | 000000010000000 | 4 | 8728 | 010000010000000 | 6 | 18457 | 100000001001001 | 13 | 17471 | 100010000000001 | 12 |
| 63 | 78 | 000000010000000 | 0 | 1154 | 000010010000000 | 1 | 78 | 000000010000000 | 0 | 8728 | 010000010000000 | 7 | 18457 | 100000001001001 | 14 | 17471 | 100010000000001 | 13 |
| 64 | 128 | 000000010000001 | 1 | 1154 | 000010010000000 | 2 | 128 | 000000010000001 | 1 | 8728 | 010000010000000 | 8 | 18457 | 100000001001001 | 15 | 17471 | 100010000000001 | 14 |
| 65 | 128 | 000000010000001 | 2 | 1154 | 000010010000000 | 3 | 128 | 000000010000001 | 2 | 8728 | 010000010000000 | 9 | 18457 | 100000001001001 | 16 | 17471 | 100010000000001 | 15 |
| 66 | 130 | 000000010000010 | 2 | 1154 | 000010010000000 | 3 | 130 | 000000010000010 | 2 | 8728 | 010000010000000 | 10 | 18457 | 100000001001001 | 17 | 17471 | 100010000000001 | 16 |
| 67 | 130 | 000000010000010 | 3 | 1154 | 000010010000000</ | | | | | | | | | | | | | |

FIG. 6

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| INPUT CODE WORD | S = 0 | | S = 1 | | S = 2 | | S = 3 | | S = 4 | | S = 5 | | | | | | | |
|-----------------|-----------|-----------------|-----------|-------|-----------------|-------|-----------|-----------------|-----------|-------|-----------------|-------|-------|-------------------|---|-------|-----------------|---|
| | CODE WORD | Snext | CODE WORD | Snext | CODE WORD | Snext | CODE WORD | Snext | CODE WORD | Snext | CODE WORD | Snext | | | | | | |
| 104 | 289 | 000001001000001 | 0 | 2335 | 000100100100000 | 3 | 289 | 000000100100001 | 0 | 3379 | 010000100010001 | 0 | 18519 | 100000010000100 | 4 | 17481 | 100010001001001 | 0 |
| 105 | 288 | 000001001000001 | 1 | 2038 | 000100100100000 | 1 | 288 | 000000100100001 | 1 | 3378 | 010000100010000 | 1 | 18518 | 100000010000100 | 5 | 17480 | 100010001001001 | 1 |
| 106 | 513 | 000001000000000 | 0 | 2045 | 000100100100000 | 2 | 513 | 000001000000000 | 0 | 8448 | 010000100000000 | 0 | 18517 | 100000010000100 | 0 | 17479 | 100010001001001 | 3 |
| 107 | 514 | 000001000000000 | 1 | 2046 | 000100100100000 | 3 | 514 | 000001000000000 | 1 | 8449 | 010000100000000 | 1 | 18516 | 100000010000100 | 1 | 17478 | 100010001001001 | 4 |
| 108 | 513 | 000001000000000 | 0 | 2047 | 000100100100000 | 1 | 513 | 000001000000000 | 0 | 8450 | 010000100000000 | 0 | 18515 | 100000010000100 | 2 | 17477 | 100010001001001 | 0 |
| 109 | 514 | 000001000000000 | 1 | 2048 | 000100100100000 | 2 | 514 | 000001000000000 | 1 | 8451 | 010000100000000 | 1 | 18514 | 100000010000100 | 3 | 17476 | 100010001001001 | 1 |
| 110 | 514 | 000001000000000 | 0 | 2049 | 000100100100000 | 3 | 514 | 000001000000000 | 0 | 8452 | 010000100000000 | 0 | 18513 | 100000010000100 | 4 | 17475 | 100010001001001 | 2 |
| 111 | 516 | 000001000000000 | 1 | 2044 | 000100100100000 | 1 | 516 | 000001000000000 | 1 | 8453 | 010000100000000 | 1 | 18512 | 100000010000100 | 5 | 17474 | 100010001001001 | 3 |
| 112 | 516 | 000001000000000 | 0 | 2045 | 000100100100000 | 2 | 516 | 000001000000000 | 0 | 8454 | 010000100000000 | 0 | 18511 | 100000010000100 | 0 | 17473 | 100010001001001 | 4 |
| 113 | 516 | 000001000000000 | 1 | 2046 | 000100100100000 | 3 | 516 | 000001000000000 | 1 | 8455 | 010000100000000 | 1 | 18510 | 100000010000100 | 1 | 17472 | 100010001001001 | 5 |
| 114 | 516 | 000001000000000 | 0 | 2047 | 000100100100000 | 1 | 516 | 000001000000000 | 0 | 8457 | 010000100000000 | 0 | 18509 | 100000010000100 | 2 | 17471 | 100010001001001 | 0 |
| 115 | 520 | 000001000000000 | 1 | 2048 | 000100100100000 | 2 | 520 | 000001000000000 | 1 | 8457 | 010000100000000 | 1 | 18508 | 100000010000100 | 3 | 17470 | 100010001001001 | 1 |
| 116 | 520 | 000001000000000 | 0 | 2049 | 000100100100000 | 3 | 520 | 000001000000000 | 0 | 8458 | 010000100000000 | 0 | 18507 | 100000010000100 | 4 | 17469 | 100010001001001 | 2 |
| 117 | 520 | 000001000000000 | 1 | 2050 | 000100100100000 | 1 | 520 | 000001000000000 | 1 | 8459 | 010000100000000 | 1 | 18506 | 100000010000100 | 5 | 17468 | 100010001001001 | 3 |
| 118 | 520 | 000001000000000 | 0 | 2051 | 000100100100000 | 2 | 520 | 000001000000000 | 0 | 8456 | 010000100000000 | 0 | 18505 | 100000010000100 | 0 | 17467 | 100010001001001 | 4 |
| 119 | 521 | 000001000000000 | 1 | 2052 | 000100100100000 | 3 | 521 | 000001000000000 | 1 | 8456 | 010000100000000 | 1 | 18504 | 100000010000100 | 1 | 17466 | 100010001001001 | 5 |
| 120 | 521 | 000001000000000 | 0 | 2053 | 000100100100000 | 1 | 521 | 000001000000000 | 0 | 8457 | 010000100000000 | 0 | 18503 | 100000010000100 | 2 | 17465 | 100010001001001 | 0 |
| 121 | 528 | 000001000000000 | 1 | 2054 | 000100100100000 | 2 | 528 | 000001000000000 | 1 | 8457 | 010000100000000 | 1 | 18502 | 100000010000100 | 3 | 17464 | 100010001001001 | 1 |
| 122 | 528 | 000001000000000 | 0 | 2055 | 000100100100000 | 3 | 528 | 000001000000000 | 0 | 8444 | 010000100000000 | 0 | 18501 | 100000010000100 | 4 | 17463 | 100010001001001 | 2 |
| 123 | 528 | 000001000000000 | 1 | 2056 | 000100100100000 | 1 | 528 | 000001000000000 | 1 | 8444 | 010000100000000 | 1 | 18500 | 100000010000100 | 5 | 17462 | 100010001001001 | 3 |
| 124 | 528 | 000001000000000 | 0 | 2057 | 000100100100000 | 2 | 528 | 000001000000000 | 0 | 8444 | 010000100000000 | 0 | 18499 | 100000010000100 | 0 | 17461 | 100010001001001 | 4 |
| 125 | 529 | 000001000000000 | 1 | 2058 | 000100100100000 | 3 | 529 | 000001000000000 | 1 | 8446 | 010000100000000 | 1 | 18498 | 100000010000100 | 1 | 17460 | 100010001001001 | 5 |
| 126 | 529 | 000001000000000 | 0 | 2059 | 000100100100000 | 1 | 529 | 000001000000000 | 0 | 8446 | 010000100000000 | 0 | 18497 | 100000010000100 | 2 | 17459 | 100010001001001 | 0 |
| 127 | 530 | 000001000000000 | 1 | 2060 | 000100100100000 | 2 | 530 | 000001000000000 | 1 | 8446 | 010000100000000 | 1 | 18496 | 100000010000100 | 3 | 17458 | 100010001001001 | 1 |
| 128 | 530 | 000001000000000 | 0 | 2061 | 000100100100000 | 3 | 530 | 000001000000000 | 0 | 8448 | 010000100000000 | 0 | 18495 | 100000010000100 | 4 | 17457 | 100010001001001 | 2 |
| 129 | 530 | 000001000000000 | 1 | 2062 | 000100100100000 | 1 | 530 | 000001000000000 | 1 | 8448 | 010000100000000 | 1 | 18494 | 100000010000100 | 5 | 17456 | 100010001001001 | 3 |
| 130 | 544 | 000001000000000 | 0 | 2063 | 000100100100000 | 2 | 544 | 000001000000000 | 0 | 8448 | 010000100000000 | 0 | 18493 | 100000010000100 | 0 | 17455 | 100010001001001 | 4 |
| 131 | 544 | 000001000000000 | 1 | 2064 | 000100100100000 | 3 | 544 | 000001000000000 | 1 | 8449 | 010000100000000 | 1 | 18492 | 100000010000100 | 1 | 17454 | 100010001001001 | 5 |
| 132 | 544 | 000001000000000 | 0 | 2065 | 000100100100000 | 1 | 544 | 000001000000000 | 0 | 8449 | 010000100000000 | 0 | 18491 | 100000010000100 | 2 | 17453 | 100010001001001 | 0 |
| 133 | 544 | 000001000000000 | 1 | 2066 | 000100100100000 | 2 | 544 | 000001000000000 | 1 | 8449 | 010000100000000 | 1 | 18490 | 100000010000100 | 3 | 17452 | 100010001001001 | 1 |
| 134 | 545 | 000001000000000 | 0 | 2067 | 000100100100000 | 3 | 545 | 000001000000000 | 0 | 8449 | 010000100000000 | 0 | 18489 | 100000010000100 | 4 | 17451 | 100010001001001 | 2 |
| 135 | 545 | 000001000000000 | 1 | 2068 | 000100100100000 | 1 | 545 | 000001000000000 | 1 | 8481 | 010000100000000 | 1 | 18488 | 100000010000100 | 5 | 17450 | 100010001001001 | 3 |
| 136 | 545 | 000001000000000 | 0 | 2069 | 000100100100000 | 2 | 545 | 000001000000000 | 0 | 8481 | 010000100000000 | 0 | 18487 | 100000010000100 | 0 | 17449 | 100010001001001 | 4 |
| 137 | 546 | 000001000000000 | 1 | 2070 | 000100100100000 | 3 | 546 | 000001000000000 | 1 | 8482 | 010000100000000 | 1 | 18486 | 100000010000100 | 1 | 17448 | 100010001001001 | 5 |
| 138 | 546 | 000001000000000 | 0 | 2071 | 000100100100000 | 1 | 546 | 000001000000000 | 0 | 8482 | 010000100000000 | 0 | 18485 | 100000010000100 | 2 | 17447 | 100010001001001 | 0 |
| 139 | 577 | 000001001000001 | 0 | 2072 | 000100100100000 | 2 | 577 | 000001000000000 | 0 | 8482 | 010000100000000 | 0 | 18484 | 100000010000100 | 3 | 17446 | 100010001001001 | 1 |
| 140 | 577 | 000001001000001 | 1 | 2073 | 000100100100000 | 3 | 577 | 000001000000000 | 1 | 8777 | 010001001000001 | 0 | 18483 | 100000010000100 | 4 | 17445 | 100010001001001 | 2 |
| 141 | 68 | 000000000000000 | 0 | 2074 | 000100100100000 | 1 | 68 | 000000000000000 | 0 | 8777 | 010001001000001 | 1 | 18482 | 100000010000100 | 5 | 17444 | 100010001001001 | 3 |
| 142 | 68 | 000000000000000 | 1 | 2075 | 000100100100000 | 2 | 68 | 000000000000000 | 1 | 8712 | 010001000000000 | 1 | 18481 | 100000010000100 | 0 | 17443 | 100010001001001 | 4 |
| 143 | 68 | 000000000000000 | 0 | 2076 | 000100100100000 | 3 | 68 | 000000000000000 | 0 | 8712 | 010001000000000 | 0 | 18480 | 100000010000100 | 1 | 17442 | 100010001001001 | 5 |
| 144 | 68 | 000000000000000 | 1 | 2077 | 000100100100000 | 1 | 68 | 000000000000000 | 1 | 8712 | 010001000000000 | 1 | 18479 | 100000010000100 | 2 | 17441 | 100010001001001 | 0 |
| 145 | 72 | 000000000000000 | 0 | 2078 | 000100100100000 | 2 | 72 | 000000000000000 | 0 | 8712 | 010001000000000 | 0 | 18478 | 100000010000100 | 3 | 17440 | 100010001001001 | 1 |
| 146 | 72 | 000000000000000 | 1 | 2079 | 000100100100000 | 3 | 72 | 000000000000000 | 1 | 8720 | 010001000000000 | 1 | 18477 | 100000010000100 | 4 | 17439 | 100010001001001 | 2 |
| 147 | 72 | 000000000000000 | 0 | 2080 | 000100100100000 | 1 | 72 | 000000000000000 | 0 | 8720 | 010001000000000 | 0 | 18476 | 100000010000100 | 5 | 17438 | 100010001001001 | 3 |
| 148 | 72 | 000000000000000 | 1 | 2081 | 000100100100000 | 2 | 72 | 000000000000000 | 1 | 8720 | 010001000000000 | 1 | 18475 | 100000010000100 | 0 | 17437 | 100010001001001 | 4 |
| 149 | 138 | 000000000000000 | 0 | 2082 | 000100100100000 | 3 | 138 | 000000000000000 | 0 | 8728 | 010001000000000 | 0 | 18474 | 100000010000100 | 1 | 17436 | 100010001001001 | 5 |
| 150 | 138 | 000000000000000 | 1 | 2083 | 000100100100000 | 1 | 138 | 000000000000000 | 1 | 8728 | 010001000000000 | 1 | 18473 | 100000010000100 | 2 | 17435 | 100010001001001 | 0 |
| 151 | 138 | 000000000000000 | 0 | 2084 | 000100100100000 | 2 | 138 | 000000000000000 | 0 | 8726 | 010001000000000 | 0 | 18472 | 100000010000100 | 3 | 17434 | 100010001001001 | 1 |
| 152 | 138 | 000000000000000 | 1 | 2085 | 000100100100000 | 3 | 138 | 000000000000000 | 1 | 8726 | 010001000000000 | 1 | 18471 | 100000010000100 | 4 | 17433 | 100010001001001 | 2 |
| 153 | 138 | 000000000000000 | 0 | 2086 | 000100100100000 | 1 | 138 | 000000000000000 | 0 | 8738 | 010001000000000 | 0 | 18470 | 100000010000100 | 5 | 17432 | 100010001001001 | 3 |
| 154 | 312 | 000001000000000 | 0 | 2087 | 000100100100000 | 2 | 312 | 000001000000000 | 0 | 8484 | 010001000000000 | 0 | 18469 | 100000010000100</ | | | | |

7. Gi. H.

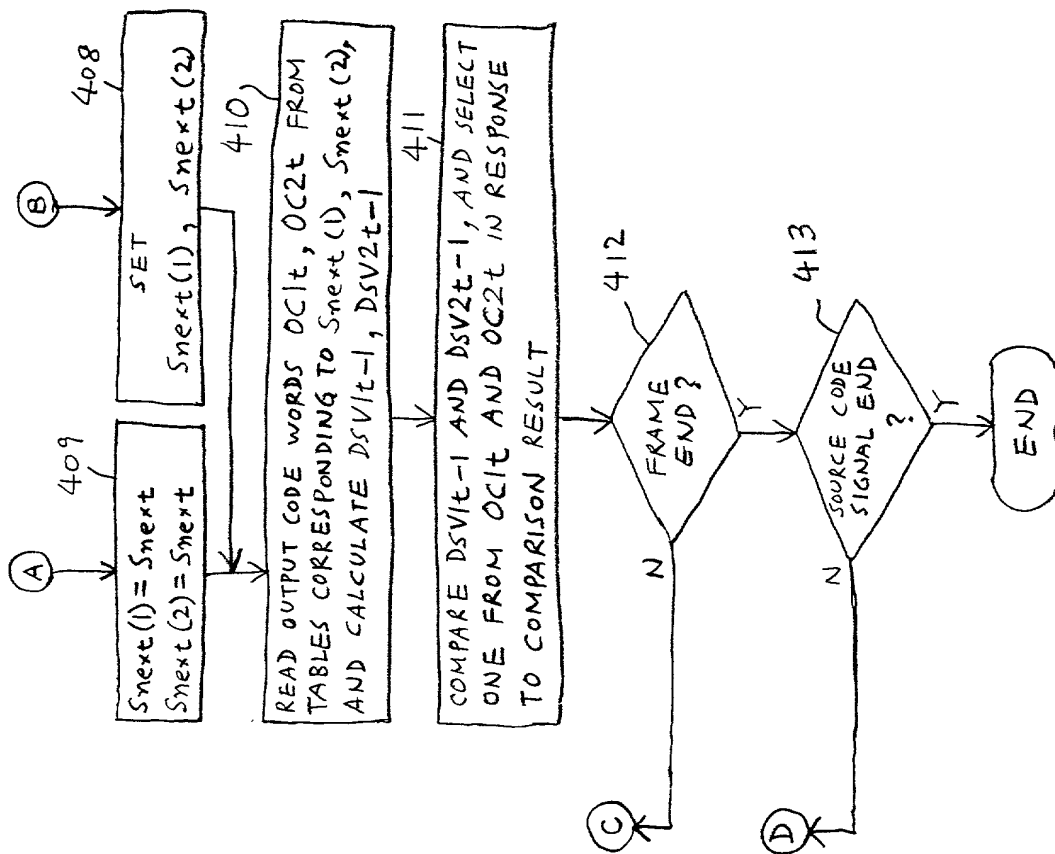
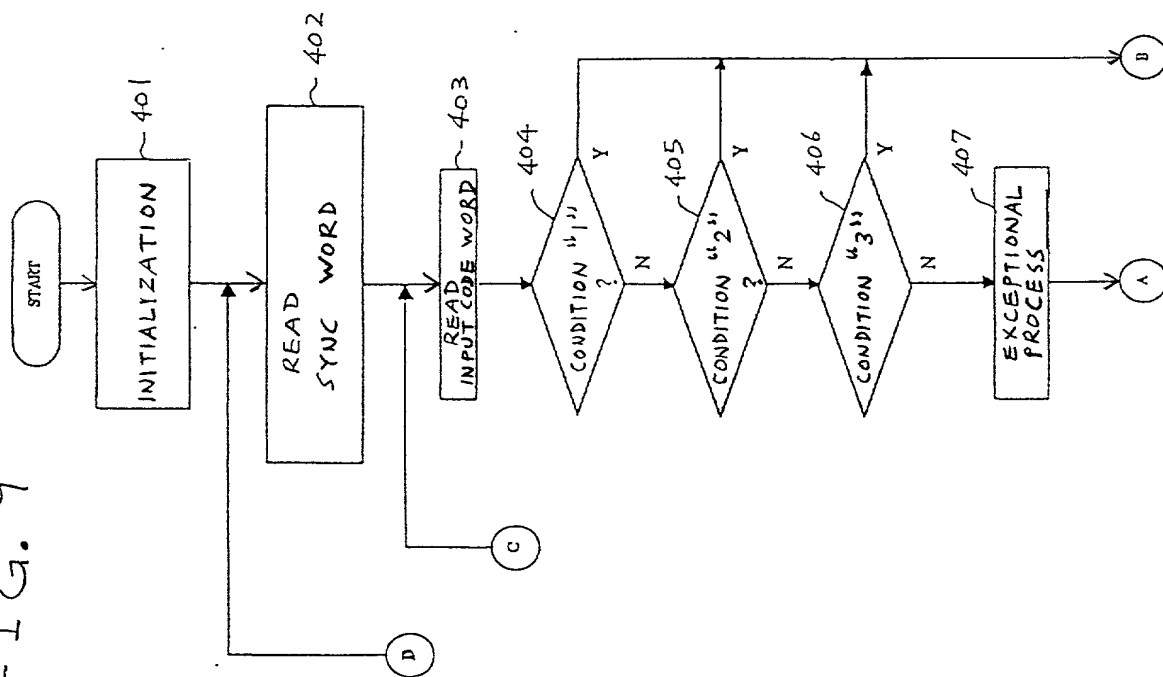
| INPUT | S = 0 | | | S = 1 | | | S = 2 | | | S = 3 | | | S = 4 | | | S = 5 | | |
|-------|-------|------------------|-------|-------|-----------------|-------|-------|-----------------|-------|-------|-----------------|-------|-------|-----------------|-------|-------|-----------------|-------|
| | CODE | WORD | Snert | CODE | WORD | Snert | CODE | WORD | Snert | CODE | WORD | Snert | CODE | WORD | Snert | CODE | WORD | Snert |
| 158 | 16 | 0000000000000000 | 3 | 2193 | 000100010010001 | 0 | 8208 | 010000000010000 | 3 | 8705 | 010001000000001 | 1 | 8708 | 010000000010000 | 3 | 18484 | 100100000100000 | 3 |
| 159 | 16 | 0000000000000000 | 4 | 2193 | 000100010010001 | 1 | 8208 | 010000000010000 | 4 | 8705 | 010001000000001 | 1 | 8708 | 010000000010000 | 4 | 18484 | 100100000100000 | 4 |
| 160 | 16 | 0000000000000000 | 5 | 2194 | 000100010010010 | 1 | 8208 | 010000000010000 | 5 | 8706 | 010001000000001 | 1 | 8708 | 010000000010000 | 5 | 18484 | 100100000100000 | 5 |
| 161 | 17 | 0000000000000001 | 0 | 2194 | 000100010010010 | 2 | 8713 | 010001000000001 | 0 | 8708 | 010001000000000 | 0 | 8713 | 010001000000001 | 0 | 18485 | 100100000100001 | 0 |
| 162 | 17 | 0000000000000001 | 1 | 2194 | 000100010010010 | 3 | 8713 | 010001000000001 | 1 | 8708 | 010001000000000 | 1 | 8713 | 010001000000001 | 1 | 18485 | 100100000100001 | 1 |
| 163 | 17 | 0000000000000001 | 2 | 2194 | 000100010010010 | 4 | 8713 | 010001000000001 | 2 | 8708 | 010001000000000 | 2 | 8713 | 010001000000001 | 2 | 18485 | 100100000100001 | 2 |
| 164 | 18 | 0000000000000010 | 0 | 2194 | 000100010010010 | 5 | 8713 | 010001000000001 | 3 | 8708 | 010001000000000 | 3 | 8713 | 010001000000001 | 3 | 18485 | 100100000100001 | 3 |
| 165 | 18 | 0000000000000010 | 1 | 2194 | 000100010010010 | 6 | 8713 | 010001000000001 | 4 | 8708 | 010001000000000 | 4 | 8713 | 010001000000001 | 4 | 18485 | 100100000100001 | 4 |
| 166 | 18 | 0000000000000010 | 2 | 2194 | 000100010010010 | 7 | 8713 | 010001000000001 | 5 | 8708 | 010001000000000 | 5 | 8713 | 010001000000001 | 5 | 18485 | 100100000100001 | 5 |
| 167 | 18 | 0000000000000010 | 3 | 2195 | 000100000000000 | 0 | 8721 | 010001000000000 | 0 | 4188 | 010000000000000 | 0 | 4188 | 010000000000000 | 0 | 18488 | 100100000100100 | 0 |
| 168 | 18 | 0000000000000010 | 4 | 2195 | 000100000000000 | 1 | 8721 | 010001000000000 | 1 | 4188 | 010000000000000 | 1 | 4188 | 010000000000000 | 1 | 18488 | 100100000100100 | 1 |
| 169 | 18 | 0000000000000010 | 5 | 2195 | 000100000000000 | 2 | 8721 | 010001000000000 | 2 | 4188 | 010000000000000 | 2 | 4188 | 010000000000000 | 2 | 18488 | 100100000100100 | 2 |
| 170 | 18 | 0000000000000010 | 6 | 2195 | 000100000000000 | 3 | 8721 | 010001000000000 | 3 | 4188 | 010000000000000 | 3 | 4188 | 010000000000000 | 3 | 18488 | 100100000100100 | 3 |
| 171 | 18 | 0000000000000010 | 7 | 2195 | 000100000000000 | 4 | 8721 | 010001000000000 | 4 | 4188 | 010000000000000 | 4 | 4188 | 010000000000000 | 4 | 18488 | 100100000100100 | 4 |
| 172 | 18 | 0000000000000010 | 8 | 2195 | 000100000000000 | 5 | 8721 | 010001000000000 | 5 | 4188 | 010000000000000 | 5 | 4188 | 010000000000000 | 5 | 18488 | 100100000100100 | 5 |
| 173 | 18 | 0000000000000010 | 9 | 2195 | 000100000000000 | 6 | 8721 | 010001000000000 | 6 | 4188 | 010000000000000 | 6 | 4188 | 010000000000000 | 6 | 18488 | 100100000100100 | 6 |
| 174 | 18 | 0000000000000010 | 10 | 2195 | 000100000000000 | 7 | 8721 | 010001000000000 | 7 | 4188 | 010000000000000 | 7 | 4188 | 010000000000000 | 7 | 18488 | 100100000100100 | 7 |
| 175 | 18 | 0000000000000010 | 11 | 2195 | | | | | | | | | | | | | | |

FIG. 8

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| INPUT | S=0 | | S=1 | | S=2 | | S=3 | | S=4 | | S=5 | |
|-------|-----------|-----------------|-----------|-------|-----------------|-------|---|-----------------|-----------|-------|-----------------|-------|
| | CODE WORD | Snext | CODE WORD | Snext | CODE WORD | Snext | CODE WORD | Snext | CODE WORD | Snext | CODE WORD | Snext |
| 212 | 4361 | 001000100001001 | 0 | 4100 | 001000000000000 | 5 | 9270 | 010010000000001 | 0 | 9270 | 010010000000000 | 5 |
| 213 | 4361 | 001000100001001 | 1 | 4129 | 001000000000001 | 0 | 9274 | 010010000000001 | 1 | 9274 | 010010000000000 | 1 |
| 214 | 4368 | 001000100001000 | 1 | 4129 | 001000000000001 | 1 | 9274 | 010010000000000 | 3 | 9274 | 010010000000000 | 3 |
| 215 | 4368 | 001000100001000 | 3 | 4104 | 001000000000000 | 1 | 9274 | 010010000000000 | 4 | 9274 | 010010000000000 | 4 |
| 216 | 4368 | 001000100001000 | 4 | 4104 | 001000000000000 | 3 | 9274 | 010010000000000 | 5 | 9274 | 010010000000000 | 5 |
| 217 | 4368 | 001000100001000 | 5 | 4104 | 001000000000000 | 4 | 9275 | 010010000000001 | 0 | 9275 | 010010000000001 | 0 |
| 218 | 4369 | 001000100001001 | 0 | 4104 | 001000000000000 | 5 | 9275 | 010010000000001 | 1 | 9275 | 010010000000000 | 1 |
| 219 | 4369 | 001000100001001 | 1 | 4105 | 001000000000001 | 0 | 9272 | 010010000000000 | 1 | 9272 | 010010000000000 | 1 |
| 220 | 4370 | 001000100001010 | 1 | 4105 | 001000000000001 | 1 | 9272 | 010010000000000 | 3 | 9272 | 010010000000000 | 3 |
| 221 | 4370 | 001000100001010 | 2 | 4130 | 001000000000010 | 1 | 9272 | 010010000000000 | 4 | 9272 | 010010000000000 | 4 |
| 222 | 4370 | 001000100001010 | 3 | 4130 | 001000000000010 | 2 | 9272 | 010010000000000 | 5 | 9272 | 010010000000000 | 5 |
| 223 | 4384 | 001000100000000 | 1 | 4130 | 001000000000010 | 3 | 9273 | 010010000000001 | 0 | 9273 | 010010000000001 | 0 |
| 224 | 4384 | 001000100000000 | 3 | 2340 | 000100100100100 | 1 | 9273 | 010010000000001 | 1 | 9273 | 010010000000001 | 1 |
| 225 | 4384 | 001000100000000 | 4 | 2340 | 000100100100100 | 3 | 9274 | 010010000000001 | 1 | 9274 | 010010000000000 | 1 |
| 226 | 4384 | 001000100000000 | 5 | 2340 | 000100100100100 | 4 | 9274 | 010010000000000 | 2 | 9274 | 010010000000000 | 2 |
| 227 | 4385 | 001000100000001 | 0 | 2340 | 000100100100100 | 5 | 9274 | 010010000000000 | 3 | 9274 | 010010000000000 | 3 |
| 228 | 4385 | 001000100000001 | 1 | 4113 | 001000000000001 | 0 | 9248 | 010010000000001 | 1 | 9248 | 010010000000000 | 1 |
| 229 | 4385 | 001000100000001 | 2 | 4113 | 001000000000001 | 1 | 9248 | 010010000000000 | 2 | 9248 | 010010000000000 | 2 |
| 230 | 4385 | 001000100000001 | 3 | 4112 | 001000000000000 | 1 | 9248 | 010010000000000 | 3 | 9248 | 010010000000000 | 3 |
| 231 | 4385 | 001000100000001 | 4 | 4112 | 001000000000000 | 2 | 9248 | 010010000000000 | 4 | 9248 | 010010000000000 | 4 |
| 232 | 4388 | 001000100001001 | 0 | 4112 | 001000000000000 | 3 | 9249 | 010010000000001 | 0 | 9249 | 010010000000001 | 0 |
| 233 | 4388 | 001000100001001 | 1 | 4114 | 001000000000001 | 0 | 9249 | 010010000000001 | 1 | 9249 | 010010000000001 | 1 |
| 234 | 4388 | 001000100001001 | 2 | 4114 | 001000000000001 | 1 | 9249 | 010010000000001 | 2 | 9249 | 010010000000001 | 2 |
| 235 | 4388 | 001000100001001 | 3 | 4114 | 001000000000001 | 2 | 9250 | 010010000000001 | 3 | 9250 | 010010000000001 | 3 |
| 236 | 4609 | 001001000000001 | 0 | 4164 | 001000000000000 | 4 | 9250 | 010010000000001 | 4 | 9250 | 010010000000001 | 4 |
| 237 | 4609 | 001001000000001 | 1 | 4164 | 001000000000000 | 5 | 9250 | 010010000000001 | 5 | 9250 | 010010000000001 | 5 |
| 238 | 4610 | 001001000000001 | 2 | 2337 | 000100100100100 | 0 | 9252 | 010010000000001 | 1 | 9252 | 010010000000000 | 1 |
| 239 | 4610 | 001001000000001 | 3 | 2338 | 000100100100100 | 1 | 9252 | 010010000000001 | 2 | 9252 | 010010000000000 | 2 |
| 240 | 4610 | 001001000000001 | 4 | 2338 | 000100100100100 | 2 | 9252 | 010010000000001 | 3 | 9252 | 010010000000000 | 3 |
| 241 | 4612 | 001001000000001 | 5 | 2338 | 000100100100100 | 3 | 9252 | 010010000000001 | 4 | 9252 | 010010000000000 | 4 |
| 242 | 4612 | 001001000000001 | 0 | 4112 | 001000000000000 | 4 | 9260 | 010010000000000 | 1 | 9260 | 010010000000000 | 1 |
| 243 | 4612 | 001001000000001 | 1 | 4112 | 001000000000000 | 5 | 9260 | 010010000000000 | 2 | 9260 | 010010000000000 | 2 |
| 244 | 4612 | 001001000000001 | 2 | 4112 | 001000000000000 | 0 | 9260 | 010010000000000 | 3 | 9260 | 010010000000000 | 3 |
| 245 | 4615 | 001001000000000 | 3 | 4112 | 001000000000000 | 1 | 9260 | 010010000000000 | 4 | 9260 | 010010000000000 | 4 |
| 246 | 4615 | 001001000000000 | 4 | 4128 | 001000000000000 | 2 | 9281 | 010010000000000 | 1 | 9281 | 010010000000000 | 1 |
| 247 | 4615 | 001001000000000 | 5 | 4128 | 001000000000000 | 3 | 9281 | 010010000000000 | 2 | 9281 | 010010000000000 | 2 |
| 248 | 4615 | 001001000000000 | 0 | 4128 | 001000000000000 | 4 | 9282 | 010010000000000 | 3 | 9282 | 010010000000000 | 3 |
| 249 | 4617 | 001001000000001 | 1 | 4128 | 001000000000000 | 5 | 9282 | 010010000000000 | 4 | 9282 | 010010000000000 | 4 |
| 250 | 4617 | 001001000000001 | 2 | 4161 | 001000000000001 | 0 | 9289 | 010010000000001 | 1 | 9289 | 010010000000001 | 1 |
| 251 | 4624 | 001001000000000 | 3 | 4161 | 001000000000001 | 1 | 9289 | 010010000000001 | 2 | 9289 | 010010000000001 | 2 |
| 252 | 4624 | 001001000000000 | 4 | 4161 | 001000000000001 | 2 | 9289 | 010010000000001 | 3 | 9289 | 010010000000001 | 3 |
| 253 | 4624 | 001001000000000 | 5 | 4160 | 001000000000000 | 3 | 9344 | 010010010000000 | 4 | 9344 | 010010010000000 | 4 |
| 254 | 4624 | 001001000000000 | 0 | 4160 | 001000000000000 | 4 | 9344 | 010010010000000 | 5 | 9344 | 010010010000000 | 5 |
| 255 | 1024 | 000010000000000 | 5 | 4274 | 001000010000000 | 5 | 9216 | 010010000000000 | 5 | 9216 | 010010000000000 | 5 |
| | | | | | | | if pre zero run > 8 then 9216 then 4274 | | | | | |

FIG. 9



10.5.11

| | S = 0 | | S = 1 | | S = 3 | | S = 4 | | S = 5 | | | | | | |
|-------|-----------|------------------|-----------|------|------------------|------|-----------|------------------|-----------|-------|------------------|---|-------|------------------|---|
| INPUT | CODE WORD | Next | CODE WORD | Next | CODE WORD | Next | CODE WORD | Next | CODE WORD | Next | | | | | |
| 0 | 32 | 0000000000000000 | 4 | 4724 | 0010000100000000 | 4 | 4608 | 0010010000000000 | 4 | 3284 | 0100100010001000 | 4 | 16896 | 1000010000000000 | 4 |
| 1 | 32 | 0000000000000000 | 5 | 4274 | 0010000100000000 | 3 | 4608 | 0010010000000000 | 5 | 3284 | 0100100010001000 | 5 | 16896 | 1000010000000000 | 5 |
| 2 | 33 | 0000000000000001 | 0 | 1025 | 0000010000000000 | 0 | 4681 | 0010010001000000 | 0 | 4681 | 0010010001000000 | 0 | 3353 | 0100100100010000 | 0 |
| 3 | 33 | 0000000000000001 | 1 | 1025 | 0000010000000001 | 1 | 4681 | 0010010001000000 | 1 | 3353 | 0100100100010000 | 1 | 3353 | 0100100100010000 | 1 |
| 4 | 36 | 0000000000000000 | 1 | 1026 | 0000010000000000 | 1 | 4640 | 0010010000000000 | 1 | 3359 | 0100100100000000 | 1 | 16904 | 1000010000000000 | 3 |
| 5 | 36 | 0000000000000000 | 3 | 1026 | 0000010000000000 | 3 | 4640 | 0010010000000000 | 3 | 3359 | 0100100100000000 | 3 | 16904 | 1000010000000000 | 4 |
| 6 | 36 | 0000000000000000 | 4 | 1026 | 0000010000000000 | 4 | 4640 | 0010010000000000 | 4 | 3359 | 0100100100000000 | 4 | 16904 | 1000010000000000 | 5 |
| 7 | 36 | 0000000000000000 | 5 | 1028 | 0000010000000000 | 5 | 4640 | 0010010000000000 | 5 | 3360 | 0100100100000000 | 5 | 16905 | 1000010000000000 | 0 |
| 8 | 64 | 0000000000000000 | 1 | 1028 | 0000010000000000 | 1 | 4676 | 0010010001000000 | 1 | 3284 | 0100100100010000 | 1 | 16912 | 1000010000000000 | 1 |
| 9 | 64 | 0000000000000000 | 3 | 1028 | 0000010000000000 | 3 | 4676 | 0010010001000000 | 3 | 3284 | 0100100100010000 | 3 | 16912 | 1000010000000000 | 2 |
| 10 | 64 | 0000000000000000 | 4 | 1028 | 0000010000000000 | 4 | 4676 | 0010010001000000 | 4 | 8704 | 0100010000000000 | 4 | 16912 | 1000010000000000 | 3 |
| 11 | 64 | 0000000000000000 | 5 | 1032 | 0000010000000000 | 5 | 4676 | 0010010000000000 | 5 | 8704 | 0100010000000000 | 5 | 16912 | 1000010000000000 | 4 |
| 12 | 576 | 0000000100000000 | 1 | 1032 | 0000010000000000 | 1 | 4672 | 0010010000000000 | 1 | 16392 | 1000000000000000 | 1 | 16913 | 1000010000000000 | 5 |
| 13 | 576 | 0000000100000000 | 3 | 1032 | 0000010000000000 | 3 | 4672 | 0010010000000000 | 3 | 16392 | 1000000000000000 | 3 | 16913 | 1000010000000000 | 0 |
| 14 | 576 | 0000000100000000 | 4 | 1032 | 0000010000000000 | 4 | 4672 | 0010010000000000 | 4 | 16392 | 1000000000000000 | 4 | 16914 | 1000010000000000 | 1 |
| 15 | 576 | 0000000100000000 | 5 | 1033 | 0000010000000000 | 5 | 4672 | 0010010000000000 | 5 | 16392 | 1000000000000000 | 5 | 16914 | 1000010000000000 | 2 |
| 16 | 3 | 0000000000000000 | 0 | 1033 | 0000010000000000 | 0 | 4625 | 0010010000000000 | 0 | 16401 | 1000000000000000 | 0 | 16914 | 1000010000000000 | 3 |
| 17 | 714 | 0000000000000000 | 1 | 4132 | 0000010000000000 | 1 | 4625 | 0010010000000000 | 1 | 16401 | 1000000000000000 | 1 | 16914 | 1000010000000000 | 4 |
| 18 | 214 | 0000000000000000 | 1 | 4132 | 0000010000000000 | 1 | 4625 | 0010010000000000 | 1 | 16418 | 1000000000000000 | 1 | 16928 | 1000010000000000 | 5 |
| 19 | 214 | 0000000000000000 | 2 | 4132 | 0000010000000000 | 2 | 4625 | 0010010000000000 | 2 | 16418 | 1000000000000000 | 2 | 16928 | 1000010000000000 | 0 |
| 20 | 214 | 0000000000000000 | 3 | 4132 | 0000000000000000 | 3 | 4625 | 0010010000000000 | 3 | 16402 | 1000000000000000 | 3 | 16928 | 1000010000000000 | 1 |
| 21 | 214 | 0000000000000000 | 4 | 4132 | 0000000000000000 | 4 | 4625 | 0010010000000000 | 4 | 16402 | 1000000000000000 | 4 | 16928 | 1000010000000000 | 2 |
| 22 | 137 | 0000000000000000 | 0 | 1041 | 0000010000000000 | 0 | 4641 | 0010010001000000 | 0 | 16393 | 1000000000000000 | 0 | 16928 | 1000010000000000 | 3 |
| 23 | 137 | 0000000000000000 | 1 | 1041 | 0000010000000000 | 1 | 4641 | 0010010001000000 | 1 | 16393 | 1000000000000000 | 1 | 16929 | 1000010000000000 | 4 |
| 24 | 146 | 0000000000000000 | 1 | 1042 | 0000010000000000 | 1 | 4642 | 0010010000000000 | 1 | 16418 | 1000000000000000 | 1 | 16930 | 1000010000000000 | 5 |
| 25 | 146 | 0000000000000000 | 2 | 1042 | 0000010000000000 | 2 | 4642 | 0010010000000000 | 2 | 16418 | 1000000000000000 | 2 | 16930 | 1000010000000000 | 0 |
| 26 | 292 | 0000000000000000 | 1 | 1055 | 0000010000000000 | 1 | 4644 | 0010010001000000 | 1 | 16338 | 1000000000000000 | 1 | 16932 | 1000010000000000 | 1 |
| 27 | 292 | 0000000000000000 | 3 | 1055 | 0000010000000000 | 3 | 4644 | 0010010001000000 | 3 | 16338 | 1000000000000000 | 3 | 16932 | 1000010000000000 | 2 |
| 28 | 292 | 0000000000000000 | 4 | 1056 | 0000010000000000 | 4 | 4644 | 0010010001000000 | 4 | 16338 | 1000000000000000 | 4 | 16932 | 1000010000000000 | 3 |
| 29 | 292 | 0000000000000000 | 5 | 1056 | 0000010000000000 | 5 | 4644 | 0010010001000000 | 5 | 16338 | 1000000000000000 | 5 | 16932 | 1000010000000000 | 4 |
| 30 | 145 | 0000000000000000 | 0 | 1057 | 0000010000000000 | 0 | 4673 | 0010010000000000 | 0 | 3361 | 0100100100000000 | 0 | 16936 | 1000010000000000 | 5 |
| 31 | 145 | 0000000000000000 | 1 | 1057 | 0000010000000000 | 1 | 4673 | 0010010000000000 | 1 | 3361 | 0100100100000000 | 1 | 16936 | 1000010000000000 | 0 |
| 32 | 280 | 0000000000000000 | 1 | 1058 | 0000010000000000 | 1 | 4674 | 0010010000000000 | 1 | 3362 | 0100100100000000 | 1 | 16960 | 1000010000000000 | 3 |
| 33 | 280 | 0000000000000000 | 2 | 1058 | 0000010000000000 | 2 | 4674 | 0010010000000000 | 2 | 3362 | 0100100100000000 | 2 | 16960 | 1000010000000000 | 4 |
| 34 | 280 | 0000000000000000 | 3 | 1058 | 0000010000000000 | 3 | 4674 | 0010010000000000 | 3 | 3362 | 0100100100000000 | 3 | 16960 | 1000010000000000 | 5 |
| 35 | 548 | 0000000000000000 | 1 | 1060 | 0000010000000000 | 1 | 4680 | 0010010001000000 | 1 | 3352 | 0100100100000000 | 1 | 16961 | 1000000000000000 | 0 |
| 36 | 548 | 0000000000000000 | 3 | 1060 | 0000010000000000 | 3 | 4680 | 0010010001000000 | 3 | 3352 | 0100100100000000 | 3 | 16961 | 1000000000000000 | 1 |
| 37 | 548 | 0000000000000000 | 4 | 1060 | 0000010000000000 | 4 | 4680 | 0010010001000000 | 4 | 3352 | 0100100100000000 | 4 | 16962 | 1000000000000000 | 2 |
| 38 | 548 | 0000000000000000 | 5 | 1060 | 0000010000000000 | 5 | 4680 | 0010010001000000 | 5 | 3352 | 0100100100000000 | 5 | 16962 | 1000000000000000 | 3 |
| 39 | 65 | 0000000000000000 | 0 | 1068 | 0000010000000000 | 0 | 3209 | 0100000000000000 | 0 | 3345 | 0100100100000000 | 0 | 16964 | 1000000000000000 | 4 |
| 40 | 65 | 0000000000000000 | 1 | 1068 | 0000010000000000 | 1 | 3209 | 0100000000000000 | 1 | 3345 | 0100100100000000 | 1 | 16964 | 1000000000000000 | 5 |
| 41 | 66 | 0000000000000000 | 2 | 1068 | 0000010000000000 | 2 | 3210 | 0100000000000000 | 2 | 3346 | 0100100100000000 | 2 | 16964 | 1000000000000000 | 0 |
| 42 | 66 | 0000000000000000 | 3 | 1068 | 0000010000000000 | 3 | 3210 | 0100000000000000 | 3 | 3346 | 0100100100000000 | 3 | 16964 | 1000000000000000 | 1 |
| 43 | 66 | 0000000000000000 | 4 | 1068 | 0000010000000000 | 4 | 3210 | 0100000000000000 | 4 | 3346 | 0100100100000000 | 4 | 16964 | 1000000000000000 | 2 |
| 44 | 580 | 0000000000000000 | 1 | 1089 | 0000010000000000 | 1 | 8106 | 0100000000000000 | 1 | 3288 | 0100100010001000 | 1 | 16968 | 1000000000000000 | 3 |
| 45 | 580 | 0000000000000000 | 2 | 1090 | 0000010000000000 | 2 | 8106 | 0100000000000000 | 2 | 3288 | 0100100010001000 | 2 | 16968 | 1000000000000000 | 4 |
| 46 | 580 | 0000000000000000 | 3 | 1090 | 0000010000000000 | 3 | 8106 | 0100000000000000 | 3 | 3288 | 0100100010001000 | 3 | 16968 | 1000000000000000 | 5 |
| 47 | 580 | 0000000000000000 | 4 | 1090 | 0000010000000000 | 4 | 8106 | 0100000000000000 | 4 | 3288 | 0100100010001000 | 4 | 16968 | 1000000000000000 | 0 |
| 48 | 578 | 0000000000000000 | 1 | 1092 | 0000010000000000 | 1 | 8338 | 0100000000000000 | 1 | 16449 | 1000000000000000 | 1 | 16969 | 1000000000000000 | 1 |
| 49 | 578 | 0000000000000000 | 2 | 1092 | 0000010000000000 | 2 | 8338 | 0100000000000000 | 2 | 16449 | 1000000000000000 | 2 | 16969 | 1000000000000000 | 2 |

| INPUT | S = 0 | | | S = 1 | | | S = 3 | | | S = 4 | | | S = 5 | | |
|-------|-----------|------------------|--------|-----------|------------------|--------|-----------|------------------|--------|-----------|------------------|--------|-----------|------------------|--------|
| | CODE WORD | Shnext | Shnext | CODE WORD | Shnext | Shnext | CODE WORD | Shnext | Shnext | CODE WORD | Shnext | Shnext | CODE WORD | Shnext | Shnext |
| 50 | 578 | 00000010000010 | 3 | 1092 | 00001000100100 | 4 | 8338 | 010000010010010 | 3 | 16460 | 100000001000010 | 1 | 17409 | 1000100000000001 | 0 |
| 51 | 584 | 00000010001000 | 1 | 1092 | 00000100010010 | 5 | 8200 | 0100000000000000 | 1 | 16450 | 10000000100010 | 2 | 17409 | 1000100000000001 | 1 |
| 52 | 584 | 00000010001000 | 3 | 1096 | 000010001001000 | 1 | 8200 | 0100000000000000 | 3 | 16450 | 10000000100010 | 3 | 17410 | 1000100000000010 | 1 |
| 53 | 584 | 00000010010000 | 4 | 1096 | 000010001001000 | 3 | 8200 | 0100000000000000 | 4 | 16452 | 100000001000100 | 1 | 17410 | 1000100000000010 | 2 |
| 54 | 584 | 00000010010000 | 5 | 1096 | 000001000100000 | 4 | 8200 | 0100000000000000 | 5 | 16452 | 100000001000000 | 3 | 17410 | 1000100000000010 | 3 |
| 55 | 585 | 00000010010001 | 0 | 1096 | 000001000100000 | 5 | 8201 | 0100000000000001 | 0 | 16452 | 100000001000100 | 4 | 17412 | 1000100000000020 | 1 |
| 56 | 585 | 00000010010001 | 1 | 1097 | 000010001001001 | 0 | 8201 | 0100000000000001 | 1 | 16452 | 100000001000100 | 5 | 17412 | 1000100000000020 | 2 |
| 57 | 34 | 0000000000000010 | 1 | 1097 | 000010001001001 | 1 | 8322 | 0100000100000010 | 1 | 16513 | 100000010000001 | 0 | 17412 | 1000100000000030 | 3 |
| 58 | 34 | 0000000000000010 | 2 | 1152 | 0000010000000000 | 3 | 8322 | 0100000100000010 | 2 | 16513 | 100000010000001 | 1 | 17412 | 1000100000000030 | 4 |
| 59 | 34 | 0000000000000010 | 3 | 1152 | 0000100000000000 | 5 | 8322 | 0100000100000010 | 3 | 16514 | 1000000100000010 | 2 | 17416 | 1000100000000000 | 1 |
| 60 | 128 | 0000000000000000 | 3 | 1152 | 0000100000000000 | 4 | 8320 | 0100000100000000 | 3 | 16514 | 1000000100000000 | 1 | 17416 | 1000100000000000 | 2 |
| 61 | 128 | 0000000000000000 | 4 | 1153 | 0000010000000001 | 0 | 8320 | 0100000100000000 | 4 | 16514 | 1000000100000000 | 5 | 17416 | 1000100000000000 | 3 |
| 62 | 128 | 0000000000000000 | 5 | 1153 | 0000010000000001 | 1 | 8320 | 0100000100000000 | 5 | 16400 | 100000001000000 | 3 | 17416 | 1000100000000000 | 4 |
| 63 | 179 | 0000000000000001 | 0 | 1154 | 0000010000000010 | 1 | 8257 | 0100000010000001 | 0 | 16400 | 100000001000000 | 3 | 17417 | 1000100000000001 | 0 |
| 64 | 129 | 0000000000000010 | 1 | 1154 | 0000010000000010 | 2 | 8257 | 0100000010000001 | 1 | 16400 | 1000000000000000 | 3 | 17417 | 1000100000000001 | 1 |
| 65 | 130 | 0000000000000010 | 1 | 1154 | 0000010000000010 | 3 | 8258 | 0100000010000010 | 1 | 16400 | 1000000000000000 | 3 | 17424 | 1000100000000000 | 1 |
| 66 | 130 | 0000000000000010 | 2 | 1156 | 0000010000000010 | 1 | 8258 | 0100000010000010 | 2 | 18416 | 1000000000000000 | 1 | 17424 | 1000100000000000 | 2 |
| 67 | 130 | 0000000000000010 | 3 | 1156 | 0000010000000010 | 3 | 8258 | 0100000010000010 | 3 | 18416 | 1000000000000000 | 2 | 17424 | 1000100000000000 | 3 |
| 68 | 132 | 0000000000000000 | 1 | 1158 | 0000010000000010 | 4 | 8278 | 0100000000100000 | 1 | 16416 | 1000000000000000 | 4 | 17424 | 1000100000000000 | 4 |
| 69 | 132 | 0000000000000000 | 2 | 1158 | 0000010000000010 | 5 | 8278 | 0100000000100000 | 2 | 16416 | 1000000000000000 | 5 | 17425 | 1000100000000000 | 5 |
| 70 | 132 | 0000000000000000 | 3 | 1160 | | | | | | | | | | | |

| INPUT | S = 0 | | | S = 1 | | | S = 3 | | | S = 4 | | | S = 5 | | |
|-------|-------|--------------------|-------|-------|------------------|-------|-------|--------------------|-------|-------|------------------|-------|-------|------------------|-------|
| | CODE | WORD | Snext | CODE | WORD | Snext | CODE | WORD | Snext | CODE | WORD | Snext | CODE | WORD | Snext |
| 104 | 289 | 0000001001000001 | 0 | 2336 | 0001001001000000 | 5 | 8329 | 0100000100001001 | 0 | 15516 | 1000000100000100 | 4 | 17481 | 100010001001001 | 0 |
| 105 | 288 | 0000001001000001 | 1 | 2365 | 0001000001001001 | 1 | 8378 | 0100000100001001 | 1 | 15516 | 1000000100000100 | 1 | 17481 | 100010001001001 | 1 |
| 106 | 287 | 0000001001000001 | 2 | 2394 | 0001000001001001 | 2 | 8427 | 0100000100001001 | 2 | 15521 | 1000000100000100 | 2 | 17481 | 100010001001001 | 2 |
| 107 | 513 | 000001000000000001 | 0 | 2065 | 0001000001001001 | 3 | 8449 | 010001000000000001 | 0 | 16521 | 1000000100000100 | 0 | 17536 | 1000100100000000 | 0 |
| 108 | 514 | 000001000000000001 | 1 | 2066 | 0001000001001001 | 1 | 8450 | 010001000000000001 | 1 | 16520 | 1000000100000100 | 1 | 17536 | 1000100100000000 | 1 |
| 109 | 514 | 000001000000000001 | 2 | 2067 | 0001000001001001 | 2 | 8450 | 010001000000000001 | 2 | 16520 | 1000000100000100 | 2 | 17536 | 1000100100000000 | 2 |
| 110 | 514 | 000001000000000001 | 3 | 2068 | 0001000001001001 | 3 | 8450 | 010001000000000001 | 3 | 16520 | 1000000100000100 | 3 | 17537 | 1000100100000000 | 3 |
| 111 | 516 | 000001000000000001 | 0 | 2084 | 0001000001001001 | 0 | 8452 | 010001000000000001 | 0 | 16520 | 1000000100000100 | 0 | 17538 | 1000100100000000 | 0 |
| 112 | 516 | 000001000000000001 | 1 | 2084 | 0001000001001001 | 1 | 8452 | 010001000000000001 | 1 | 16520 | 1000000100000100 | 1 | 17538 | 1000100100000000 | 1 |
| 113 | 516 | 000001000000000001 | 2 | 2084 | 0001000001001001 | 2 | 8452 | 010001000000000001 | 2 | 16520 | 1000000100000100 | 2 | 17538 | 1000100100000000 | 2 |
| 114 | 516 | 000001000000000001 | 3 | 2084 | 0001000001001001 | 3 | 8452 | 010001000000000001 | 3 | 16520 | 1000000100000100 | 3 | 17538 | 1000100100000000 | 3 |
| 115 | 520 | 000001000000000000 | 0 | 2064 | 0001000001001001 | 4 | 8452 | 010000000000000000 | 0 | 16529 | 1000000100000100 | 0 | 17538 | 1000100100000000 | 0 |
| 116 | 520 | 000001000000000000 | 1 | 2116 | 0001000001001001 | 1 | 8456 | 010000000000000000 | 1 | 16644 | 1000000100000100 | 1 | 17540 | 1000100100000000 | 1 |
| 117 | 520 | 000001000000000000 | 2 | 2116 | 0001000001001001 | 2 | 8456 | 010000000000000000 | 2 | 16644 | 1000000100000100 | 2 | 17540 | 1000100100000000 | 2 |
| 118 | 520 | 000001000000000000 | 3 | 2116 | 0001000001001001 | 3 | 8456 | 010000000000000000 | 3 | 16644 | 1000000100000100 | 3 | 17540 | 1000100100000000 | 3 |
| 119 | 521 | 000001000000000000 | 0 | 2116 | 0001000001001001 | 4 | 8456 | 010000000000000000 | 0 | 16644 | 1000000100000100 | 4 | 17540 | 1000100100000000 | 4 |
| 120 | 521 | 000001000000000000 | 1 | 2120 | 0001000001001001 | 1 | 8457 | 010000000000000000 | 1 | 16641 | 1000000100000100 | 1 | 17544 | 1000100100000000 | 1 |
| 121 | 528 | 000001000000000000 | 1 | 2120 | 0001000001001001 | 2 | 8457 | 010000000000000000 | 1 | 16649 | 1000000100000100 | 0 | 17544 | 1000100100000000 | 4 |
| 122 | 528 | 000001000000000000 | 2 | 2120 | 0001000001001001 | 3 | 8457 | 010000000000000000 | 2 | 16649 | 1000000100000100 | 1 | 17544 | 1000100100000000 | 4 |
| 123 | 528 | 000001000000000000 | 3 | 2120 | 0001000001001001 | 4 | 8457 | 010000000000000000 | 3 | 16658 | 100000 | | | | |

3-13

| INPUT | S=0 | | | S=1 | | | S=3 | | | S=4 | | | S=5 | | |
|-------|------|------------------|-------|------|------------------|-------|------|------------------|-------|------|------------------|-------|-------|------------------|-------|
| | CODE | WORD | SNEXT | CODE | WORD | SNEXT | CODE | WORD | SNEXT | CODE | WORD | SNEXT | CODE | WORD | SNEXT |
| 158 | 16 | 0000000000000000 | 3 | 2193 | 0001000100010001 | 0 | 8705 | 0100010000000001 | 1 | 8208 | 0100000000010000 | 3 | 18464 | 1001000001000000 | 3 |
| 159 | 16 | 0000000000000000 | 4 | 2193 | 0001000100010001 | 1 | 8706 | 0100010000000001 | 1 | 8208 | 0100000000010000 | 4 | 18464 | 1001000001000000 | 4 |
| 160 | 16 | 0000000000000000 | 5 | 2194 | 0001000100010010 | 1 | 8706 | 0100010000000001 | 1 | 8208 | 0100000000010000 | 5 | 18464 | 1001000001000000 | 5 |
| 161 | 17 | 0000000000000001 | 0 | 2194 | 0001000100010010 | 2 | 8706 | 0100010000000001 | 3 | 8713 | 0100010000010001 | 0 | 18465 | 1001000001000001 | 0 |
| 162 | 17 | 0000000000000001 | 1 | 2194 | 0001000100010010 | 3 | 8708 | 0100010000000001 | 0 | 8713 | 0100010000010001 | 1 | 18465 | 1001000001000001 | 1 |
| 163 | 18 | 0000000000000001 | 0 | 2194 | 0000100000000000 | 0 | 8708 | 0100010000000001 | 3 | 8724 | 0100000000000000 | 1 | 18466 | 1001000001000010 | 1 |
| 164 | 18 | 0000000000000001 | 2 | 2140 | 0000100000000000 | 3 | 8708 | 0100010000000001 | 3 | 8724 | 0100000000000000 | 3 | 18466 | 1001000001000010 | 3 |
| 165 | 18 | 0000000000000001 | 3 | 2140 | 0000100000000000 | 4 | 8708 | 0100010000000001 | 4 | 8724 | 0100000000000000 | 4 | 18466 | 1001000001000010 | 4 |
| 166 | 4168 | 0010000001000100 | 1 | 2040 | 0000010000000000 | 5 | | | | 8724 | 0100000000000000 | 5 | 18468 | 1001000001000100 | 1 |
| 167 | 4168 | 0010000001000100 | 3 | 2052 | 0001000000000000 | 1 | | | | 8721 | 0100010000010001 | 0 | 18468 | 1001000001000100 | 3 |
| 168 | 4168 | 0010000001000100 | 4 | 2052 | 0001000000000000 | 3 | | | | 8721 | 0100010000010001 | 1 | 18468 | 1001000001000100 | 4 |
| 169 | 4168 | 0010000001000100 | 5 | 2052 | 0001000000000000 | 4 | | | | 8722 | 0100010000010010 | 1 | 18468 | 1001000001000100 | 5 |
| 170 | 4169 | 0010000001000101 | 0 | 2052 | 0001000000000000 | 5 | | | | 8722 | 0100010000010010 | 2 | 18466 | 1001000001000000 | 1 |
| 171 | 4169 | 0010000001000101 | 1 | 2113 | 0001000001000001 | 0 | | | | 8722 | 0100010000010010 | 3 | 18466 | 1001000001000000 | 2 |
| 172 | 4225 | 0010000100000001 | 0 | 2113 | 0001000001000001 | 1 | | | | 8722 | 0100010000010010 | 4 | 18466 | 1001000001000000 | 3 |
| 173 | 4225 | 0010000100000001 | 1 | 2313 | 0001000100000100 | 0 | | | | 8725 | 0100000001000000 | 1 | 18496 | 1001000001000000 | 4 |
| 174 | 4228 | 0010000100000001 | 2 | 2322 | 0001000100000100 | 1 | | | | 8725 | 0100000001000000 | 2 | 18496 | 1001000001000000 | 5 |
| 175 | 4228 | 0010000100000001 | 3 | 2322 | 0001000100000100 | 2 | | | | 8725 | 0100000001000000 | 3 | 18496 | 1001000001000000 | 1 |
| 176 | 4228 | 0010000100000001 | 4 | 2322 | 0001000100000100 | 3 | | | | 8725 | 0100000001000000 | 4 | 18497 | 1001000001000001 | 3 |
| 177 | 4228 | 0010000100000001 | 5 | 2322 | 0001000100000100 | 4 | | | | 8725 | 0100000001000000 | 5 | 18497 | 1001000001000001 | 4 |
| 178 | 4228 | 0010000100000001 | 0 | 2322 | 0001000100000100 | 5 | | | | 8737 | 0100010001000001 | 0 | 18498 | 1001000001000010 | 1 |
| 179 | 4228 | 0010000100000001 | 1 | 2056 | 0001000000000000 | 1 | | | | 8737 | 0100010001000001 | 1 | 18498 | 1001000001000010 | 2 |
| 180 | 4228 | 0010000100000001 | 2 | 2056 | 0001000000000000 | 2 | | | | 8738 | 0100010000010001 | 1 | 18498 | 1001000001000010 | 3 |
| 181 | 4232 | 0010000100000001 | 3 | 2056 | 0001000000000000 | 3 | | | | 8738 | 0100010000010001 | 2 | 18500 | 1001000001000010 | 1 |
| 182 | 4232 | 0010000100000001 | 4 | 2056 | 0001000000000000 | 4 | | | | 8738 | 0100010000010001 | 3 | 18500 | 1001000001000010 | 2 |
| 183 | 4232 | 0010000100000001 | 5 | 2056 | 0001000000000000 | 5 | | | | 8740 | 0100010001000100 | 1 | 18500 | 1001000001000010 | 3 |
| 184 | 4232 | 0010000100000001 | 0 | 2080 | 0001000001000000 | 1 | | | | 8740 | 0100010001000100 | 2 | 18504 | 1001000001000010 | 4 |
| 185 | 4233 | 0010000100000001 | 1 | 2080 | 0001000001000000 | 2 | | | | 8740 | 0100010001000100 | 3 | 18504 | 1001000001000010 | 5 |
| 186 | 4233 | 0010000100000001 | 2 | 2177 | 0001000100000001 | 0 | | | | 8768 | 0100010001000000 | 1 | 18504 | 1001000001000010 | 1 |
| 187 | 4240 | 0010000100000001 | 1 | 2177 | 0001000100000001 | 1 | | | | 8768 | 0100010001000000 | 2 | 18504 | 1001000001000010 | 2 |
| 188 | 4240 | 0010000100000001 | 2 | 2064 | 0001000000000000 | 1 | | | | 8768 | 0100010001000000 | 3 | 18505 | 1001000001001001 | 0 |
| 189 | 4240 | 0010000100000001 | 3 | 2064 | 0001000000000000 | 2 | | | | 8768 | 0100010001000000 | 4 | 18505 | 1001000001001001 | 1 |
| 190 | 4240 | 0010000100000001 | 4 | 2064 | 0001000000000000 | 3 | | | | 8769 | 0100010010000001 | 0 | 18560 | 1001000000000000 | 3 |
| 191 | 4241 | 0010000100000001 | 5 | 2064 | 0001000000000000 | 4 | | | | 8769 | 0100010010000001 | 1 | 18560 | 1001000000000000 | 4 |
| 192 | 4241 | 0010000100000001 | 0 | 2205 | 0001000000000001 | 0 | | | | 8770 | 0100010001000100 | 1 | 18560 | 1001000000000000 | 5 |
| 193 | 4242 | 0010000100000001 | 1 | 2205 | 0001000000000001 | 1 | | | | 8770 | 0100010001000100 | 2 | 18561 | 1001000000000001 | 0 |
| 194 | 4242 | 0010000100000001 | 2 | 4114 | 0010000000000001 | 1 | | | | 8770 | 0100010000010000 | 3 | 18561 | 1001000000000001 | 1 |
| 195 | 4242 | 0010000100000001 | 3 | 4114 | 0010000000000001 | 2 | | | | 8772 | 0100000000000000 | 1 | 18562 | 1001000000000001 | 2 |
| 196 | 4352 | 0010000000000000 | 3 | 4114 | 0010000000000001 | 3 | | | | 8772 | 0100000000000000 | 2 | 18562 | 1001000000000001 | 3 |
| 197 | 4352 | 0010000000000000 | 4 | 2204 | 0001000000000000 | 0 | | | | 8772 | 0100010001000100 | 3 | 18562 | 1001000000000001 | 4 |
| 198 | 4352 | 0010000000000000 | 5 | 2204 | 0001000000000000 | 1 | | | | 8772 | 0100010001000100 | 4 | 18564 | 1001000000000001 | 5 |
| 199 | 4353 | 0010000000000000 | 0 | 2304 | 0001000000000000 | 2 | | | | 8776 | 0100010001000100 | 1 | 18564 | 1001000000000001 | 1 |
| 200 | 4353 | 0010000000000000 | 1 | 2304 | 0001000000000000 | 3 | | | | 8776 | 0100010001000100 | 2 | 18564 | 1001000000000001 | 2 |
| 201 | 4353 | 0010000000000000 | 2 | 2321 | 0001000000000001 | 0 | | | | 8776 | 0100010001000100 | 3 | 18564 | 1001000000000001 | 3 |
| 202 | 4354 | 0010000000000001 | 1 | 2321 | 0001000000000001 | 1 | | | | 8776 | 0100010001000100 | 4 | 18568 | 1001000000000001 | 4 |
| 203 | 4354 | 0010000000000001 | 2 | 4098 | 0010000000000001 | 1 | | | | 8776 | 0100000000000000 | 5 | 18568 | 1001000000000001 | 5 |
| 204 | 4356 | 0010000000000001 | 3 | 4098 | 0010000000000001 | 2 | | | | 8776 | 0100000000000000 | 6 | 18568 | 1001000000000001 | 6 |
| 205 | 4356 | 0010000000000001 | 4 | 4098 | 0010000000000001 | 3 | | | | 8776 | 0100000000000000 | 7 | 18568 | 1001000000000001 | 7 |
| 206 | 4356 | 0010000000000001 | 5 | 2112 | 0001000001000000 | 0 | | | | 9217 | 0100100000000001 | 0 | 18568 | 1001000000000001 | 8 |
| 207 | 4356 | 0010000000000001 | 0 | 2112 | 0001000001000000 | 1 | | | | 9217 | 0100100000000001 | 1 | 18568 | 1001000000000001 | 9 |
| 208 | 4360 | 0010000000000001 | 1 | 2112 | 0001000001000000 | 2 | | | | 9218 | 0100100000000001 | 2 | 18569 | 1001000000000001 | 10 |
| 209 | 4360 | 0010000000000001 | 2 | 2112 | 0001000001000000 | 3 | | | | 9218 | 0100100000000001 | 3 | 18569 | 1001000000000001 | 11 |
| 210 | 4360 | 0010000000000001 | 3 | 4100 | 0010000000000000 | 4 | | | | 9218 | 0100100000000001 | 4 | 18576 | 1001000000000001 | 12 |
| 211 | 4369 | 0010000000000000 | 4 | 4100 | 0010000000000000 | 5 | | | | 9220 | 0100100000000001 | 5 | 18576 | 1001000000000001 | 13 |
| 212 | 4369 | 0010000000000000 | 5 | 4100 | 0010000000000000 | 6 | | | | 9220 | 0100100000000001 | 6 | 18576 | 1001000000000001 | 14 |
| 213 | 4369 | 0010000000000000 | 6 | 4100 | 0010000000000000 | 7 | | | | 9220 | 0100100000000001 | 7 | 18577 | 1001000000000001 | 15 |

$$\frac{13}{25}$$

FIG. 14

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| S=0 | | S=1 | | S=3 | | S=4 | | S=5 | | | |
|-------|-----------|-------------------|-----------|-------|-----------------|---|-----------|-----------------|-----------|-------|-----------------|
| INPUT | CODE word | Snext | CODE word | Snext | CODE word | Snext | CODE word | Snext | CODE word | Snext | |
| 212 | 4361 | 001000100001001 | 0 | 4100 | 001000000000100 | 5 | 9220 | 010010000000100 | 5 | 16577 | 100100010010001 |
| 213 | 4361 | 001000100001001 | 1 | 4129 | 001000000100001 | 0 | 9224 | 010010000000100 | 1 | 16578 | 100100010010010 |
| 214 | 4368 | 001000100001000 | 1 | 4129 | 001000000100001 | 1 | 9224 | 010010000000100 | 3 | 16578 | 100100010010010 |
| 215 | 4368 | 001000100001000 | 3 | 4104 | 001000000000100 | 1 | 9224 | 010010000000100 | 4 | 16578 | 100100010010010 |
| 216 | 4368 | 001000100001000 | 4 | 4104 | 001000000000100 | 3 | 9224 | 010010000000100 | 5 | 16588 | 100100000000000 |
| 217 | 4368 | 001000100001000 | 5 | 4104 | 001000000000100 | 4 | 9225 | 010010000000100 | 0 | 16688 | 100100100000000 |
| 218 | 4369 | 001000100001000 | 0 | 4104 | 001000000000100 | 5 | 9225 | 010010000000100 | 1 | 16688 | 100100100000000 |
| 219 | 4369 | 001000100001000 | 1 | 4105 | 001000000000100 | 0 | 9232 | 010010000001000 | 1 | 16689 | 100100100000001 |
| 220 | 4370 | 001000100001001 | 1 | 4105 | 001000000000100 | 1 | 9232 | 010010000001000 | 3 | 16689 | 100100100000001 |
| 221 | 4370 | 001000100001001 | 2 | 4130 | 001000000100010 | 1 | 9232 | 010010000001000 | 4 | 16690 | 100100100000010 |
| 222 | 4370 | 001000100001001 | 3 | 4130 | 001000000100010 | 2 | 9232 | 010010000001000 | 5 | 16690 | 100100100000010 |
| 223 | 4384 | 001000100100000 | 1 | 4130 | 001000000100010 | 3 | 9233 | 010010000001000 | 0 | 16690 | 100100100000010 |
| 224 | 4384 | 001000100100000 | 3 | 2340 | 000100100100100 | 1 | 9233 | 010010000001000 | 1 | 16692 | 100100100000010 |
| 225 | 4384 | 001000100100000 | 4 | 2340 | 000100100100100 | 3 | 9234 | 010010000001010 | 1 | 16692 | 100100100000010 |
| 226 | 4384 | 001000100100000 | 5 | 2340 | 000100100100100 | 4 | 9234 | 010010000001010 | 2 | 16692 | 100100100000010 |
| 227 | 4385 | 001000100100001 | 0 | 2340 | 000100100100100 | 5 | 9234 | 010010000001010 | 3 | 16692 | 100100100000010 |
| 228 | 4385 | 001000100100001 | 1 | 4113 | 001000000100010 | 0 | 9248 | 010010000000000 | 1 | 16696 | 100100100000010 |
| 229 | 4386 | 001000100100010 | 1 | 4113 | 001000000100010 | 1 | 9248 | 010010000000000 | 3 | 16696 | 100100100000010 |
| 230 | 4386 | 001000100100010 | 2 | 4162 | 001000000100010 | 1 | 9248 | 010010000000000 | 4 | 16696 | 100100100000010 |
| 231 | 4386 | 001000100100010 | 3 | 4162 | 001000000100010 | 2 | 9248 | 010010000000000 | 5 | 16696 | 100100100000010 |
| 232 | 4388 | 001000100100100 | 1 | 4162 | 001000000100010 | 3 | 9249 | 010010000000001 | 0 | 16697 | 100100100000010 |
| 233 | 4388 | 001000100100100 | 3 | 4164 | 001000000100010 | 1 | 9249 | 010010000000001 | 1 | 16697 | 100100100000010 |
| 234 | 4388 | 001000100100100 | 4 | 4164 | 001000000100010 | 3 | 9250 | 010010000000010 | 1 | 18704 | 100100100000000 |
| 235 | 4388 | 001000100100100 | 5 | 4164 | 001000000100010 | 4 | 9250 | 010010000000010 | 2 | 18704 | 100100100000000 |
| 236 | 4609 | 001001000000001 | 0 | 4164 | 001000000100010 | 5 | 9250 | 010010000000010 | 3 | 18704 | 100100100000000 |
| 237 | 4609 | 001001000000001 | 1 | 2337 | 000100100100001 | 0 | 9252 | 010010000001000 | 1 | 18704 | 100100100000000 |
| 238 | 4610 | 001001000000010 | 1 | 2337 | 000100100100001 | 1 | 9252 | 010010000001000 | 3 | 18705 | 100100100000001 |
| 239 | 4610 | 001001000000010 | 2 | 2338 | 000100100100001 | 1 | 9252 | 010010000001000 | 4 | 18705 | 100100100000001 |
| 240 | 4610 | 001001000000010 | 3 | 2338 | 000100100100001 | 2 | 9280 | 010010000000000 | 1 | 18706 | 100100100000010 |
| 241 | 4612 | 001001000000000 | 1 | 2338 | 000100100100000 | 3 | 9280 | 010010000000000 | 3 | 18706 | 100100100000010 |
| 242 | 4612 | 001001000000000 | 3 | 4112 | 001000000000000 | 1 | 9280 | 010010000000000 | 4 | 18706 | 100100100000010 |
| 243 | 4612 | 001001000000000 | 4 | 4112 | 001000000000000 | 3 | 9280 | 010010000000000 | 5 | 18720 | 100100100000000 |
| 244 | 4612 | 001001000000000 | 5 | 4112 | 001000000000000 | 4 | 9280 | 010010000000000 | 0 | 18720 | 100100100000000 |
| 245 | 4616 | 001001000000000 | 1 | 4112 | 001000000000000 | 5 | 9281 | 010010000000000 | 1 | 18720 | 100100100000000 |
| 246 | 4616 | 001001000000000 | 3 | 4128 | 001000000000000 | 1 | 9281 | 010010000000000 | 2 | 18721 | 100100100000000 |
| 247 | 4616 | 001001000000000 | 4 | 4128 | 001000000000000 | 3 | 9282 | 010010000000010 | 3 | 18722 | 100100100000000 |
| 248 | 4616 | 001001000000000 | 5 | 4128 | 001000000000000 | 4 | 9282 | 010010000000010 | 4 | 18722 | 100100100000000 |
| 249 | 4617 | 001001000000001 | 0 | 4128 | 001000000000000 | 5 | 9289 | 010010000001000 | 0 | 18722 | 100100100000000 |
| 250 | 4617 | 001001000000001 | 1 | 4161 | 001000000000000 | 0 | 9289 | 010010000001000 | 1 | 18722 | 100100100000000 |
| 251 | 4624 | 001001000000000 | 1 | 4161 | 001000000000000 | 1 | 9289 | 010010000001000 | 2 | 18722 | 100100100000000 |
| 252 | 4624 | 001001000000000 | 3 | 4160 | 001000000000000 | 3 | 9344 | 010010000000000 | 3 | 18724 | 100100100000000 |
| 253 | 4624 | 001001000000000 | 4 | 4160 | 001000000000000 | 4 | 9344 | 010010000000000 | 4 | 18724 | 100100100000000 |
| 254 | 4624 | 001001000000000 | 5 | 4160 | 001000000000000 | 5 | 9344 | 010010000000000 | 5 | 18724 | 100100100000000 |
| 255 | 1024 | 00001000000000000 | 5 | 4224 | 001000000000000 | 5 | 9216 | 010010000000000 | 5 | 18724 | 100100100000000 |
| | | | | | | if pre zero run > 8 then 9216 then 4224 | | | | | |

FIG. 15

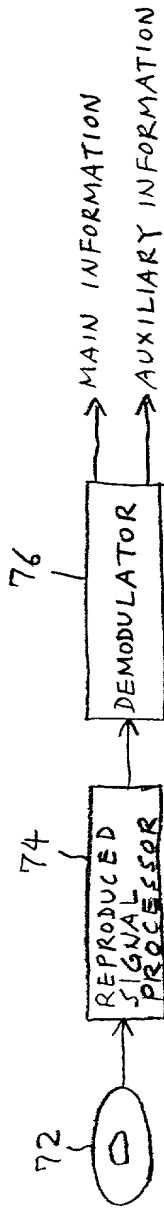


FIG. 16

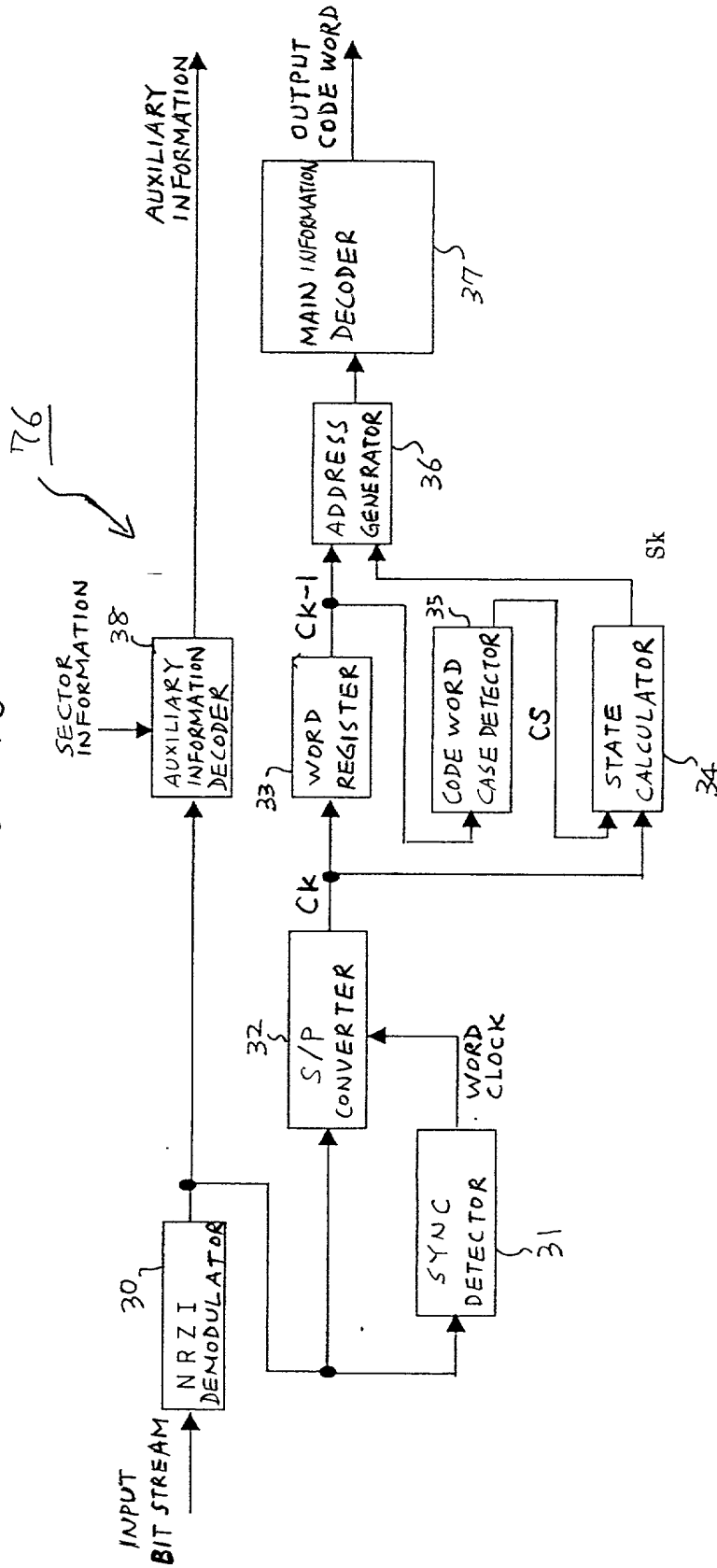
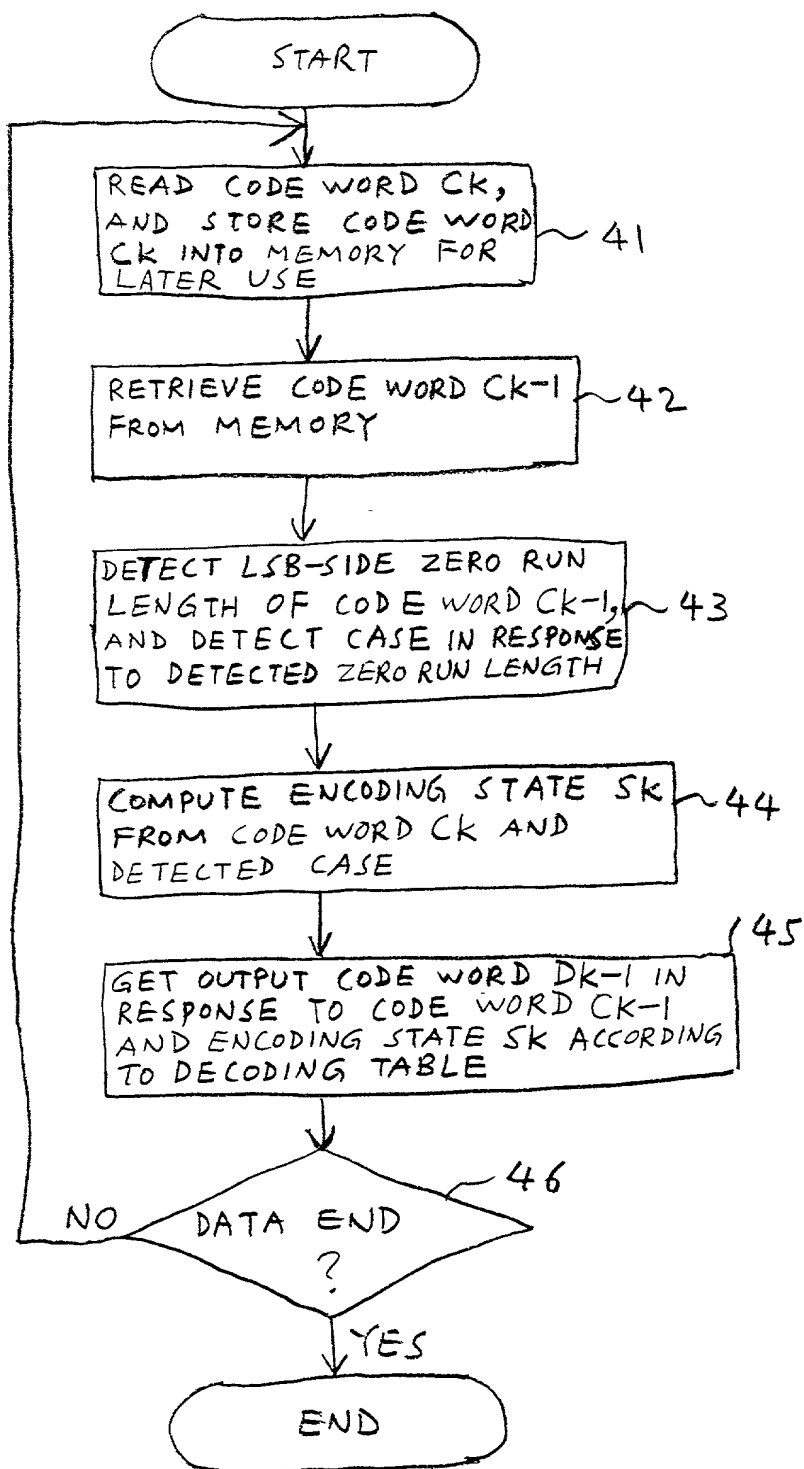


FIG. 17



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FIG. 18

| Sk=0 | | Sk=1 | | Sk=2 | | Sk=3 | | Sk=4 | | Sk=5 | |
|------|------|------|------|-------|------|------|------|------|------|------|------|
| Ck-1 | Dk-1 | Ck-1 | Dk-1 | Ck-1 | Dk-1 | Ck-1 | Dk-1 | Ck-1 | Dk-1 | Ck-1 | Dk-1 |
| 17 | 161 | 16 | 157 | 18 | 164 | 16 | 158 | 16 | 159 | 16 | 160 |
| 33 | 2 | 17 | 162 | 34 | 58 | 18 | 165 | 32 | 0 | 32 | 1 |
| 65 | 39 | 18 | 163 | 66 | 42 | 32 | 156 | 36 | 6 | 36 | 7 |
| 73 | 16 | 32 | 155 | 130 | 66 | 34 | 59 | 64 | 10 | 64 | 11 |
| 129 | 63 | 33 | 3 | 146 | 24 | 36 | 5 | 68 | 143 | 68 | 144 |
| 137 | 21 | 34 | 57 | 258 | 82 | 64 | 9 | 72 | 147 | 72 | 148 |
| 145 | 30 | 36 | 4 | 274 | 19 | 66 | 43 | 128 | 62 | 128 | 61 |
| 257 | 79 | 64 | 8 | 290 | 33 | 68 | 142 | 132 | 70 | 132 | 71 |
| 265 | 92 | 65 | 40 | 514 | 109 | 72 | 146 | 136 | 151 | 136 | 152 |
| 273 | 98 | 66 | 41 | 530 | 128 | 128 | 60 | 144 | 74 | 144 | 75 |
| 289 | 104 | 68 | 141 | 546 | 137 | 130 | 67 | 256 | 78 | 256 | 77 |
| 513 | 106 | 72 | 145 | 578 | 49 | 132 | 69 | 260 | 86 | 260 | 87 |
| 521 | 119 | 73 | 17 | 1026 | 5 | 136 | 150 | 264 | 90 | 264 | 91 |
| 529 | 125 | 129 | 64 | 1042 | 24 | 144 | 73 | 272 | 96 | 272 | 97 |
| 545 | 134 | 130 | 65 | 1058 | 33 | 146 | 25 | 288 | 102 | 288 | 103 |
| 577 | 139 | 132 | 68 | 1090 | 46 | 256 | 76 | 292 | 28 | 292 | 29 |
| 585 | 55 | 136 | 149 | 1154 | 64 | 258 | 83 | 512 | 153 | 512 | 154 |
| 1025 | 2 | 137 | 22 | 1170 | 83 | 260 | 85 | 516 | 113 | 516 | 114 |
| 1033 | 15 | 144 | 72 | 2050 | 88 | 264 | 89 | 520 | 117 | 520 | 118 |
| 1041 | 21 | 145 | 31 | 2066 | 106 | 272 | 95 | 528 | 123 | 528 | 124 |
| 1057 | 30 | 146 | 23 | 2082 | 109 | 274 | 20 | 544 | 132 | 544 | 133 |
| 1089 | 43 | 257 | 80 | 2114 | 152 | 288 | 101 | 548 | 37 | 548 | 38 |
| 1097 | 56 | 258 | 81 | 2178 | 129 | 290 | 34 | 576 | 14 | 576 | 15 |
| 1153 | 61 | 260 | 84 | 2194 | 161 | 292 | 27 | 580 | 46 | 580 | 47 |
| 1161 | 74 | 264 | 88 | 2306 | 95 | 514 | 110 | 584 | 53 | 584 | 54 |
| 1169 | 80 | 265 | 93 | 2322 | 176 | 516 | 112 | 1028 | 9 | 1024 | 255 |
| 2049 | 85 | 272 | 94 | 2338 | 240 | 520 | 116 | 1032 | 13 | 1028 | 10 |
| 2057 | 90 | 273 | 99 | 4098 | 203 | 528 | 122 | 1040 | 165 | 1032 | 14 |
| 2065 | 149 | 274 | 18 | 4114 | 195 | 530 | 129 | 1056 | 28 | 1040 | 166 |
| 2081 | 92 | 288 | 100 | 4130 | 222 | 544 | 131 | 1060 | 37 | 1056 | 29 |
| 2113 | 171 | 289 | 105 | 4162 | 231 | 546 | 138 | 1088 | 41 | 1060 | 38 |
| 2121 | 123 | 290 | 32 | 4226 | 175 | 548 | 36 | 1092 | 50 | 1088 | 42 |
| 2177 | 186 | 292 | 26 | 4242 | 194 | 576 | 13 | 1096 | 54 | 1092 | 51 |
| 2185 | 139 | 513 | 107 | 4354 | 202 | 578 | 50 | 1152 | 60 | 1096 | 55 |
| 2193 | 158 | 514 | 108 | 4370 | 221 | 580 | 45 | 1156 | 68 | 1152 | 59 |
| 2305 | 192 | 516 | 111 | 4386 | 230 | 584 | 52 | 1160 | 72 | 1156 | 69 |
| 2313 | 173 | 520 | 115 | 4610 | 239 | 1026 | 6 | 1168 | 78 | 1160 | 73 |
| 2321 | 200 | 521 | 120 | 4626 | 19 | 1028 | 8 | 2052 | 169 | 1168 | 79 |
| 2337 | 237 | 528 | 121 | 4642 | 24 | 1032 | 12 | 2056 | 180 | 2052 | 170 |
| 4105 | 219 | 529 | 126 | 4674 | 33 | 1040 | 164 | 2064 | 190 | 2056 | 181 |
| 4113 | 228 | 530 | 127 | 8210 | 42 | 1042 | 25 | 2080 | 184 | 2064 | 191 |
| 4129 | 213 | 544 | 130 | 8226 | 82 | 1056 | 27 | 2084 | 113 | 2080 | 185 |
| 4161 | 250 | 545 | 135 | 8258 | 66 | 1058 | 34 | 2112 | 207 | 2084 | 114 |
| 4169 | 170 | 546 | 136 | 8322 | 58 | 1060 | 36 | 2116 | 117 | 2112 | 208 |
| 4225 | 172 | 548 | 35 | 8338 | 49 | 1088 | 40 | 2120 | 121 | 2116 | 118 |
| 4233 | 185 | 576 | 12 | 8450 | 109 | 1090 | 47 | 2176 | 127 | 2120 | 122 |
| 4241 | 191 | 577 | 140 | 8466 | 128 | 1092 | 49 | 2180 | 133 | 2176 | 126 |
| 4353 | 199 | 578 | 48 | 8482 | 137 | 1096 | 53 | 2184 | 137 | 2180 | 134 |
| 4361 | 212 | 580 | 44 | 8706 | 160 | 1152 | 58 | 2192 | 156 | 2184 | 138 |
| 4369 | 218 | 584 | 51 | 8722 | 170 | 1154 | 65 | 2304 | 199 | 2192 | 157 |
| 4385 | 227 | 585 | 56 | 8738 | 179 | 1156 | 67 | 2308 | 143 | 2304 | 198 |
| 4609 | 236 | 1025 | 3 | 8770 | 192 | 1160 | 71 | 2312 | 147 | 2308 | 144 |
| 4617 | 249 | 1026 | 4 | 9218 | 207 | 1168 | 77 | 2320 | 99 | 2312 | 148 |
| 4625 | 16 | 1028 | 7 | 9234 | 226 | 1170 | 84 | 2336 | 103 | 2320 | 100 |
| 4641 | 21 | 1032 | 11 | 9250 | 235 | 2050 | 89 | 2340 | 226 | 2336 | 104 |
| 4673 | 30 | 1033 | 16 | 9282 | 248 | 2052 | 168 | 4100 | 211 | 2340 | 227 |
| 4681 | 2 | 1040 | 163 | 9346 | 42 | 2056 | 179 | 4104 | 217 | 4100 | 212 |
| 8201 | 55 | 1041 | 22 | 9362 | 33 | 2064 | 189 | 4112 | 244 | 4104 | 218 |
| 8209 | 39 | 1042 | 23 | 16402 | 19 | 2066 | 107 | 4128 | 248 | 4112 | 245 |
| 8225 | 202 | 1056 | 26 | 16418 | 24 | 2080 | 183 | 4132 | 19 | 4128 | 249 |
| 8257 | 63 | 1057 | 31 | 16450 | 51 | 2082 | 110 | 4160 | 254 | 4132 | 20 |
| 8265 | 92 | 1058 | 32 | 16514 | 60 | 2084 | 112 | 4164 | 235 | 4164 | 236 |
| 8321 | 79 | 1060 | 35 | 16530 | 76 | 2112 | 206 | 4168 | 168 | 4168 | 169 |
| 8329 | 104 | 1088 | 39 | 16642 | 96 | 2114 | 153 | 4224 | 0 | 4224 | 255 |
| 8337 | 98 | 1089 | 44 | 16658 | 123 | 2116 | 116 | 4228 | 179 | 4228 | 180 |
| 8449 | 106 | 1090 | 45 | 16674 | 142 | 2120 | 120 | 4232 | 183 | 4232 | 184 |

FIG. 19

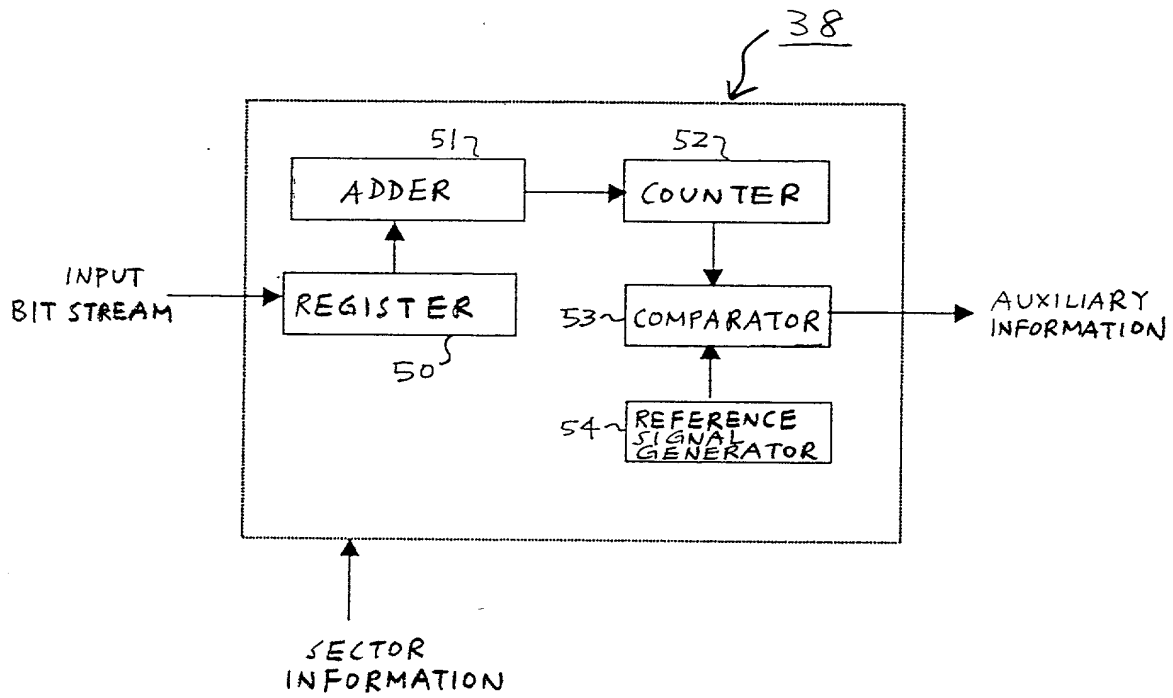


FIG. 20

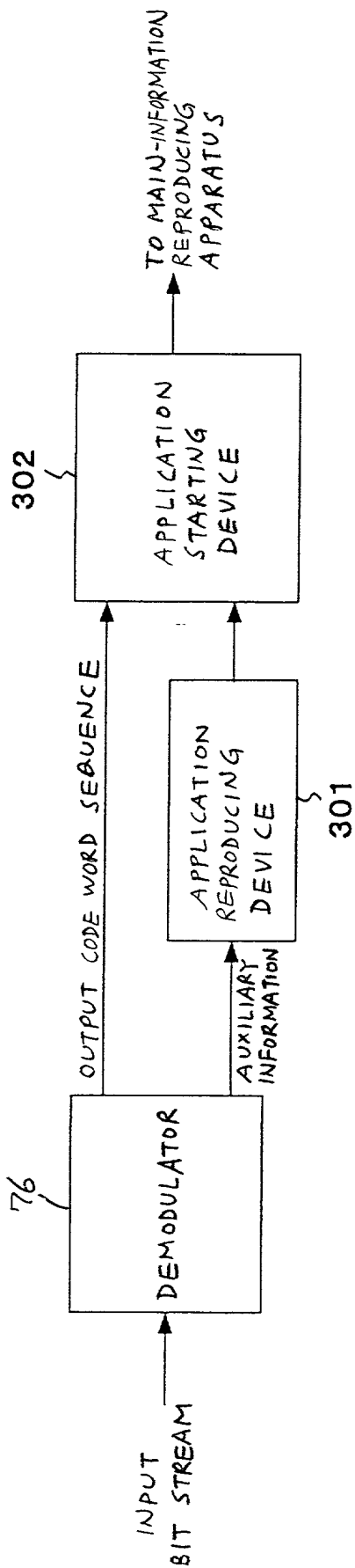


FIG. 21

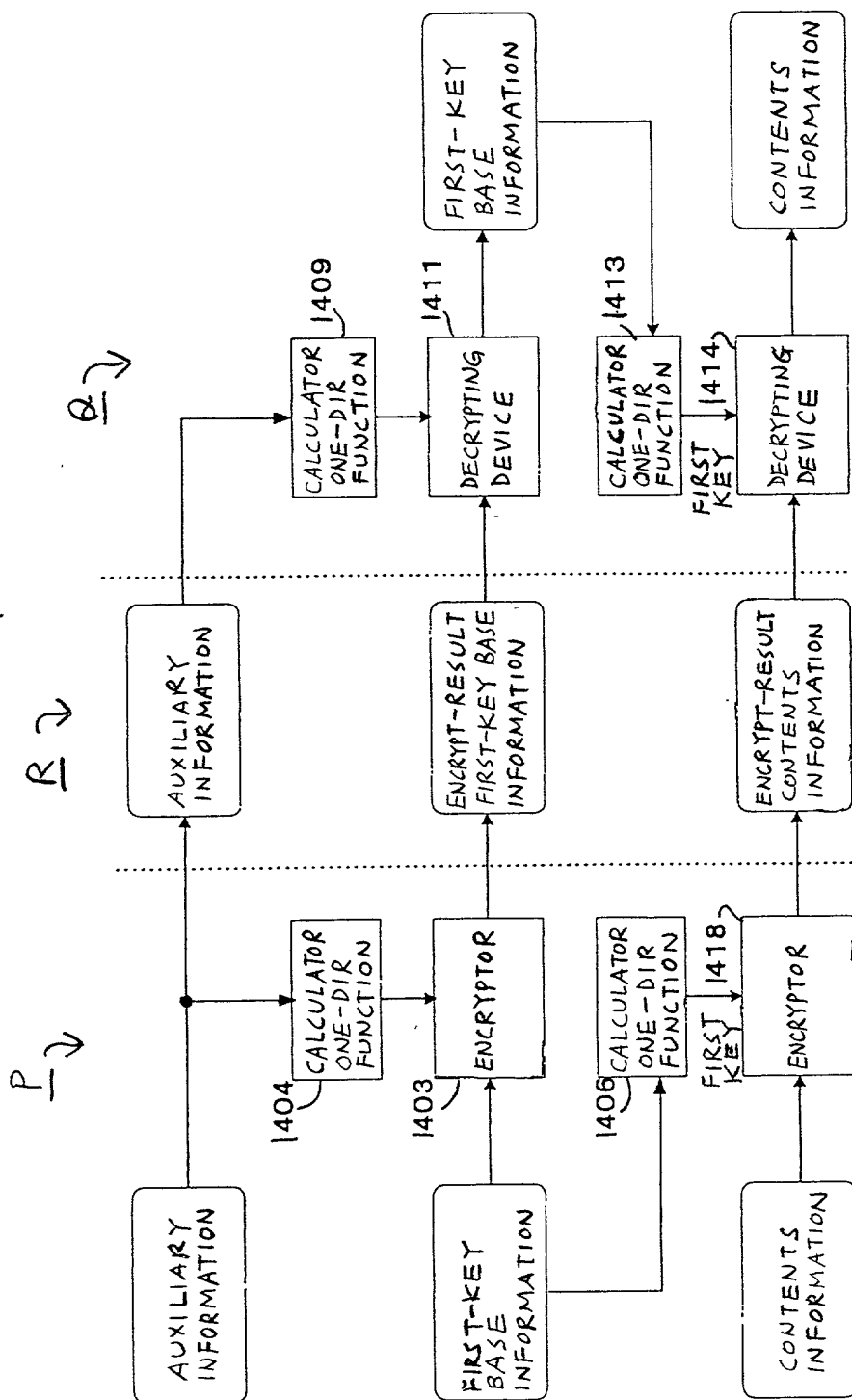


FIG. 22

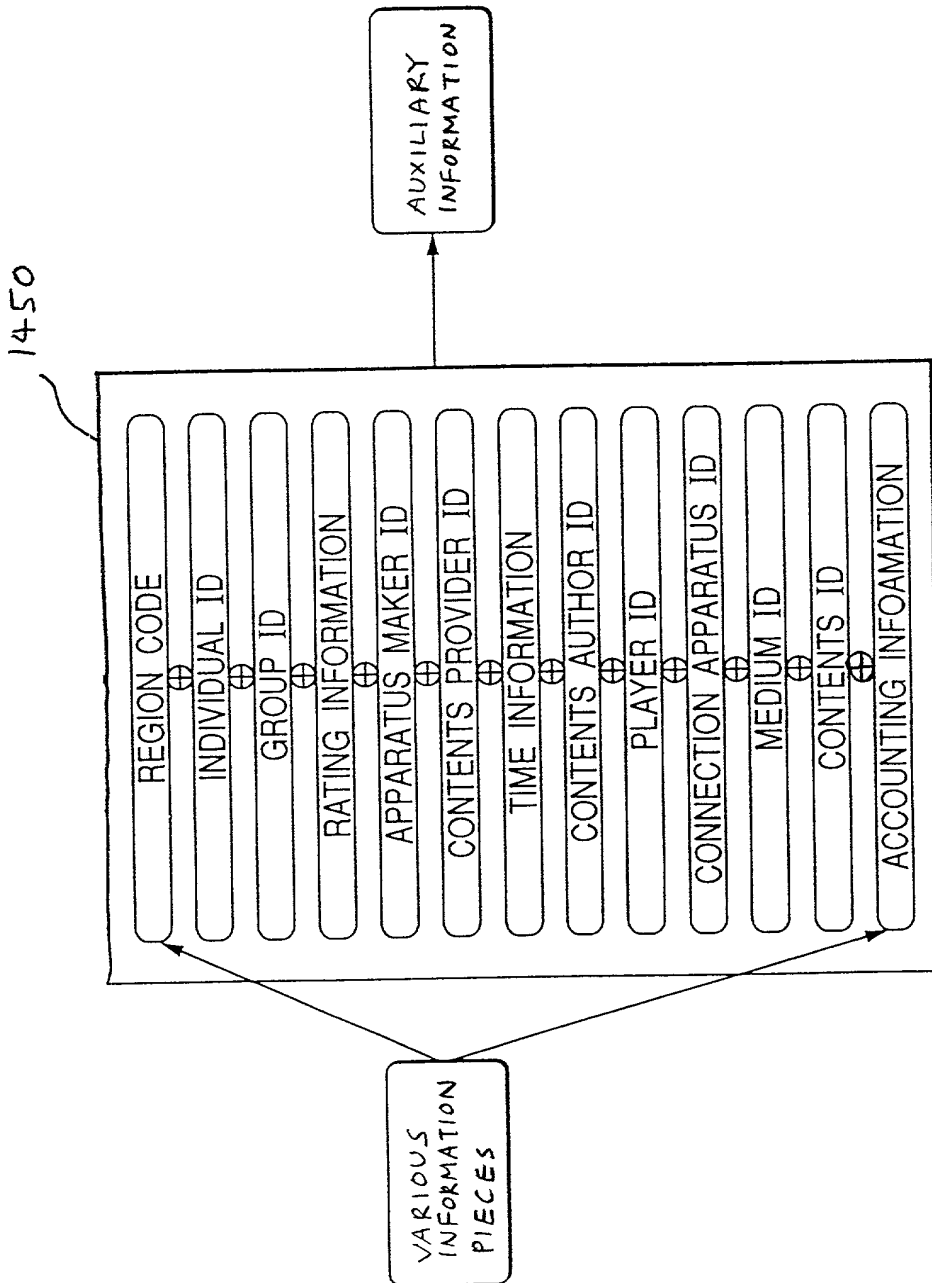


FIG. 23

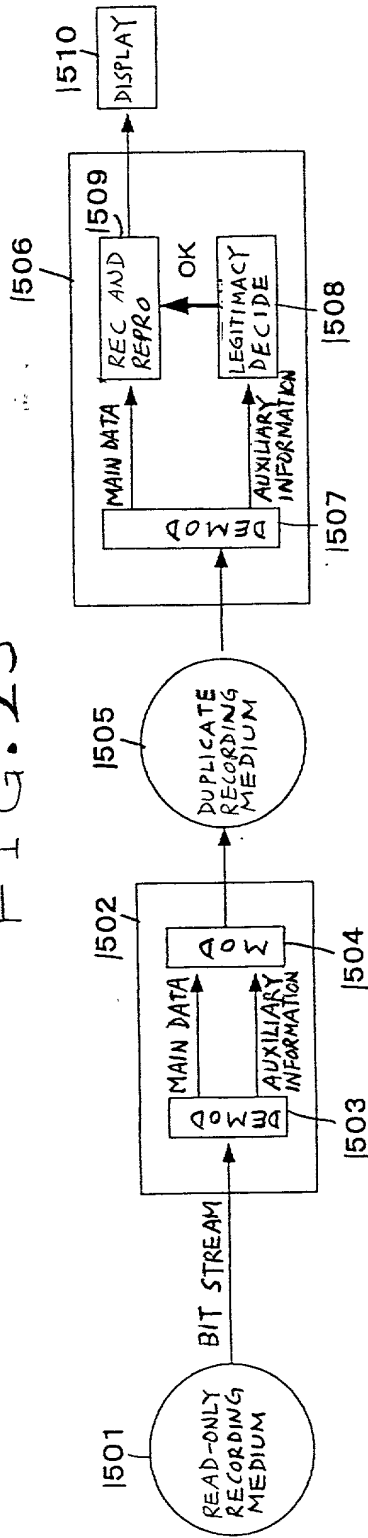
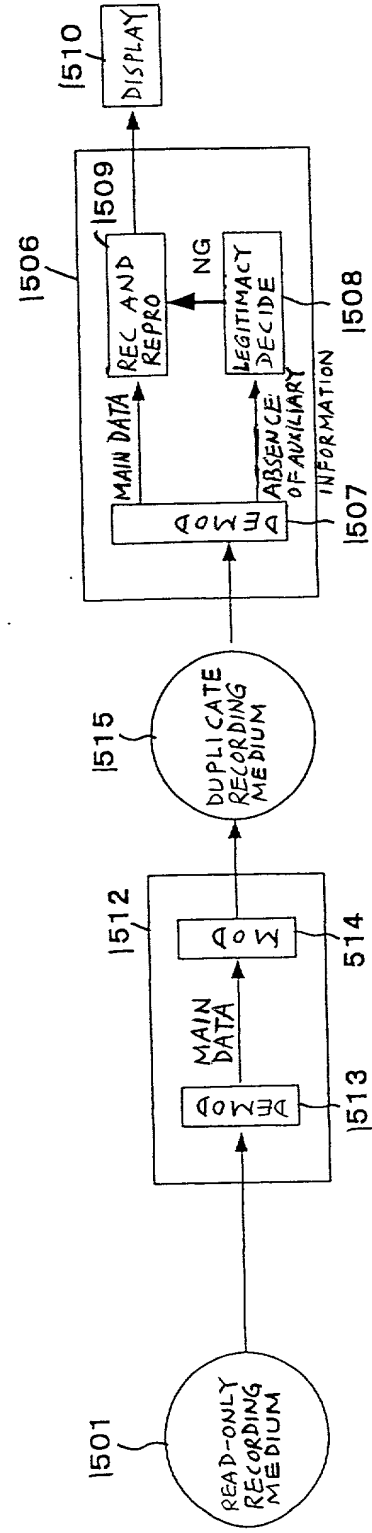


FIG. 24



TIME

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
|---|---|---|---|---|---|---|---|---|----|------|

FIG. 25

TIME

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|------|
| 1 | 3 | 2 | 4 | 6 | 5 | 7 | 9 | 8 | 10 | |
|---|---|---|---|---|---|---|---|---|----|------|

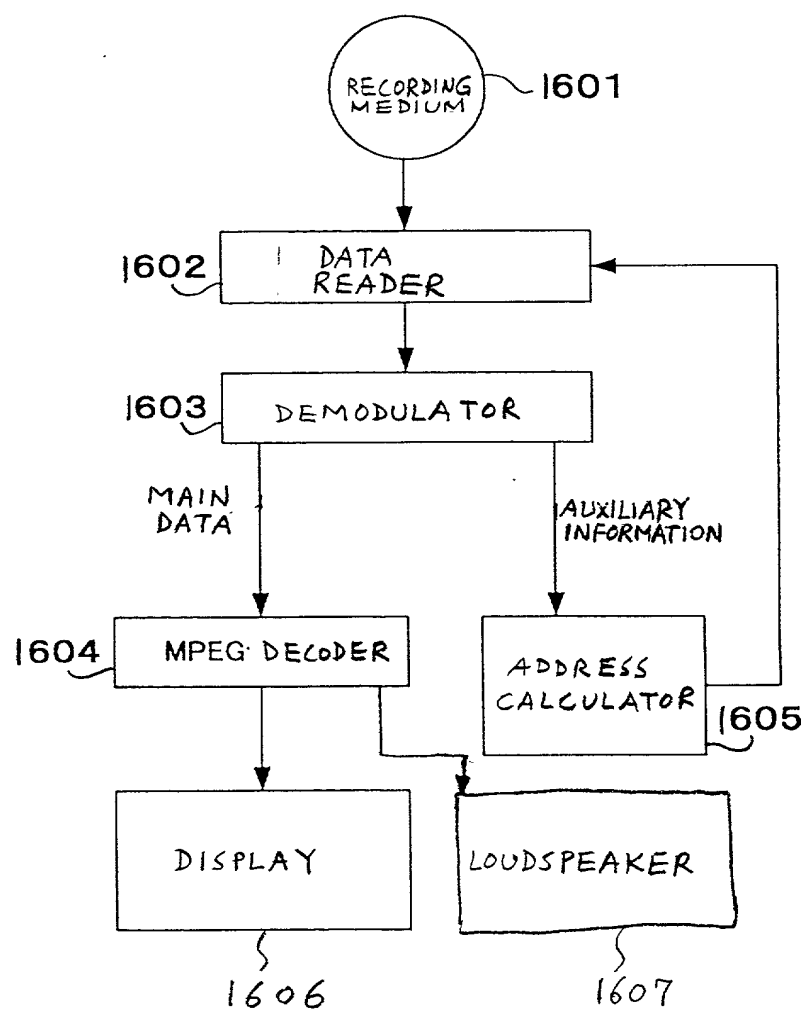
FIG. 26

TIME

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|----|---|------|
| 1 | 3 | 4 | 2 | 6 | 5 | 7 | 8 | 10 | 9 | |
|---|---|---|---|---|---|---|---|----|---|------|

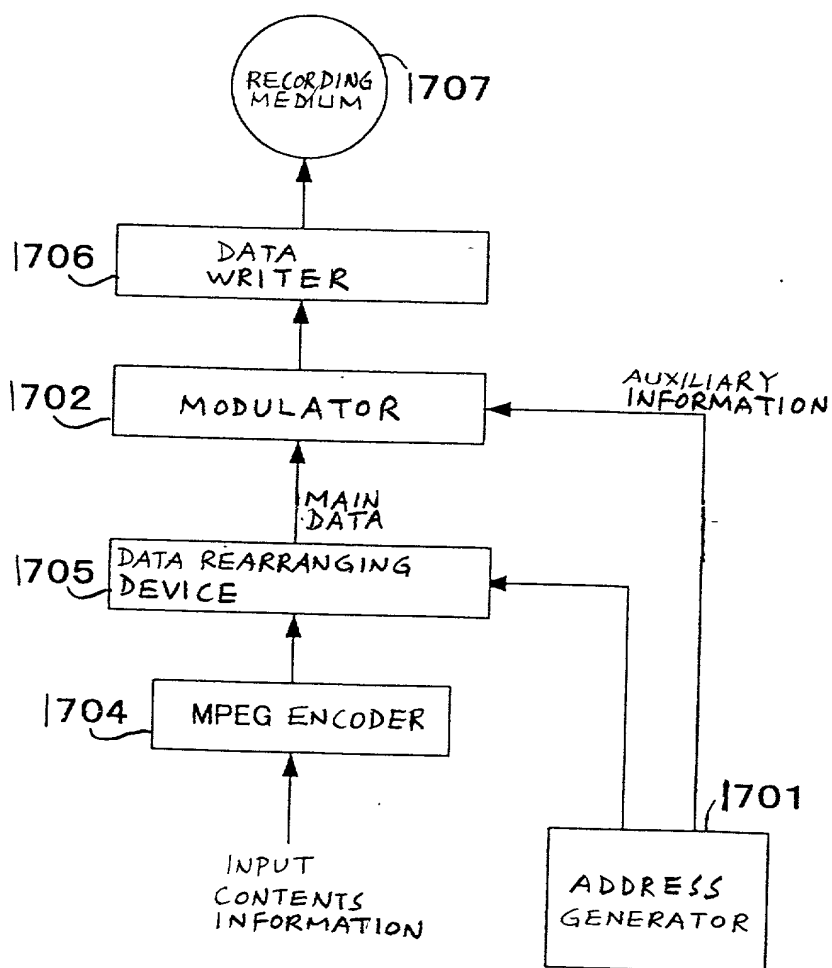
FIG. 27

FIG. 28



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FIG. 29



DocId: 40035500